

ANNUAL REPORT  
OF  
**THE MINES BRANCH**  
OF THE  
**Department of Lands and Mines**  
OF THE  
**PROVINCE OF ALBERTA**

**1935**



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1936



EDMONTON, ALBERTA,  
March 4th, 1936.

TO THE HON. C. C. Ross,  
*Minister of Lands and Mines.*

SIR:

I herewith submit the report of The Mines Branch for the year ending December 31, 1935.

Respectfully submitted,

ANDREW A. MILLAR,  
*Chief Inspector of Mines.*



ANNUAL REPORT OF THE MINES BRANCH FOR THE YEAR  
ENDING DECEMBER 31, 1935

(ANDREW A. MILLAR, *Chief Inspector*)

The output of coal produced from mines in the Province during the year was 5,462,973 tons, with a valuation of \$13,946,338.15, being an increase of 714,125 over the output for 1934.

In addition to the above tonnage, there were 395 tons produced by farmers under permit, for their own use, which tonnage has not been included in the total output. We also understand that there was a considerable tonnage produced by farmers without either permit or lease; of this tonnage we have no record.

The production of coke is increasing. This coke is being produced in the Crowsnest Area and is used at the smelter at Trail, B.C.

The disposition of coal during the year was as follows: 1,246,959 tons sold for consumption in the Province of Alberta; 1,843,046 tons sold for consumption in other provinces of Canada; 24,712 tons for consumption in the United States; 1,960,555 tons sold to railroad companies; 17,490 tons used making briquettes; 98,233 tons used making coke; 163,197 tons used under colliery boilers; 7,847 tons used by colliery railroads; 68,868 tons put to stock; 90,014 tons put to waste. The above tonnages include the coal lifted from stock and waste heaps.

The coal produced by farmers under permits is not included in the output nor are the particulars as to men producing such coal included in any of the tables, this information being given in a separate table. This is done in order that there should be no confusion of the regular statistics.

During the year there were in operation 4 shale pits producing 20,258 tons of clay and shale from which 7,349,300 bricks were made.

There were 307 mines in operation during the year, of which 17 were opened, 10 re-opened, and 33 abandoned. In addition to the mines abandoned, there were 13 mines temporarily closed, leaving 271 mines in operation as at December 31, 1935.

The mines in the Wayne and Rosedale districts of the Drumheller area were transferred from Mr. A. B. Hunter, of Drumheller, to Mr. W. G. Heeley, of Calgary.

There were 383 persons examined during the year for certificates of competency as coal-miners, of whom 332 were successful, making a total of 13,945 certificates issued to coal-miners to December 31, 1935.

Sample of mine air were taken at several mines during the year by the inspectors, the samples being forwarded to the Chemistry Branch of the Department of Mines, Ottawa, for analysis, this being done in addition to testing the air with the Burrell & McLuckie gas detectors. In addition to using the Burrell & McLuckie gas detectors some of the mines have introduced the Ringrose Automatic Firedamp Alarm.

Samples of rock-dust, used for rock dusting the roadways in the bituminous mines, have been collected at intervals and forwarded to the Provincial Analyst to be tested for silica content.

Samples of coal have been collected and forwarded to the Industrial Research Department, University of Alberta, for analysis.

All fatal and serious accidents have been investigated by the inspectors, who also attended the inquests in their areas, this being in addition to the regular inspection of the mines.

One accident occurred which caused the death of two persons at the mine operated by Bighorn & Saunders Creek Collieries, Ltd., which was caused by a fall of rock.

I regret to report the accident at the mine operated by the Lethbridge Collieries, Ltd., at Coalhurst, near Lethbridge, through an explosion. In this accident 16 persons were killed and 6 slightly injured. The accident was caused through an explosion of gas, the cause of which at present is unknown, and for the purpose of ascertaining the cause a commission has been investigating, the report on which is not as yet available.

The total number of fatal accidents were 35, being 19 in addition to the above 16, as compared with 15 in 1934.

There were 20 prosecutions instituted under The Coal-mines Regulation Act, of which one was an owner, three officials, 13 miners, one driver and two farmers, the latter two and the owner having worked mines without certificated officials.

In addition to the above prosecutions there were 11 workmen prosecuted, one of them under five charges and three under two charges. These were prosecuted for having falsified coal-miners' certificates, and in one case a man had committed perjury and forgery. Further details of this will be found in the succeeding pages of the report.

There were 23,111,373 K.W.H. of electrical purchased power used by the mines in the Province during the year, the distribution of purchased power used by mines in the various areas being as follows: Big Valley 9,680 K.W. hrs. purchased power from the Union Power Co., Ltd., of Drumheller, who also supplied 159,500 K.W. hrs. to mines in Carbon, and 4,098,515 K.W. hrs. to mines in the Drumheller Area. Calgary Power Company, Ltd., supplied purchased electrical power to mines in areas as follows: Camrose, 5,660 K.W. hrs.; Edmonton, 1,259,412 K.W. hrs.; Gleichen, 1,059 K.W. hrs.; Lethbridge, 764,679 K.W. hrs.; Taber, 13,880 K.W. hrs. The East Kootenay Power Company, Ltd., supplied 16,727,488 K.W. hrs. of purchased electrical power to the mines in the Crowsnest Area. The City of Medicine Hat supplied 71,500 K.W. hrs. to mines in the Redcliff Area.

There were 9,691 men employed in mines during the month of December, this being an increase of 36 over the corresponding month in 1934.

Several of the mines have installed new machinery for coal cleaning and pumping. A new washhouse has been erected of hollow tile construction at the mine operated by the International Coal & Coke Co., Ltd., Coleman, size 50'  $\times$  90' with space for 375 lockers, also a lamphouse constructed of hollow tile has been erected at the same mine.

An additional Simon-Carves Baum Wet Washer, 100 tons capacity, together with two additional dryers, one being a Type "C" Universal Dryer made by the Brightside Foundry and Engineering Co. with a capacity of 40 tons per hour, the other dryer a Rotary Louvre Dryer made by Dunford & Elliott of Sheffield, England, with a capacity of 45 tons per hour, were installed at the mine operated by the McGillivray Creek Coal & Coke Co., Ltd. These dryers are installed to be operated either separately or in series. A 500-ton capacity wet coal bin has been erected at the above mine for the purpose of draining the wet coal and also for keeping a steady flow of coal to the dryers.

At the Mohawk Bituminous Mines, Ltd., all the underground workmen are equipped with Model "D" Skullguard Hats which, the management claim, have prevented considerable head injuries.

Considerable steel is being used for roof and side support on the main entries, replacing timber, in mines in the Crowsnest Area.

The Hillcrest Collieries, Ltd., have installed at the tipple a calcium-chloride plant for the purpose of dedusting coal.

The West Canadian Collieries, Ltd., have installed three 150 H.P. return tubular boilers at the tipple, the steam being used for heating purposes and for drying the coal from the wet washers. The wood construction of the jig type wet washer has been replaced by steel construction.

The use of explosives for loosening coal is being very much reduced, some of the mines having practically entirely eliminated their use for this purpose.

There have been a number of Model "K" Edison Electric Cap Lamps put into use at the various mines, which considerably improve the lighting conditions.

At the Luscar Collieries, Ltd., a steel and brick enclosed static dry cleaner with a capacity of 110 tons of raw coal per hour has been installed; also a new fan. A new cook house was erected, replacing the one destroyed by fire.

At Mountain Park Collieries, Ltd., an electric hoist with 200 H.P. motor has been installed, also a new hotel erected to replace the one destroyed by fire.

At the Foothills Collieries, Ltd., mine an Aerovane Type Fan with a capacity of 60,000 cubic feet per minute has been put into use, a Bellis & Morcom compound engine direct connected to a Swedish General Electric generator and exciter of 375 K.V.A. capacity has been installed and the mine completely equipped with Model "K" Edison Electric Cap Lamps.

The Sterling Collieries Co., Ltd., installed a Bellis & Morcom 350 K.V.A. generator in a new building. A bucket type elevator for small coal 3 Plat-O type, one Tyler 400 type, vibrating screens, a No. 1 air cleaning table (American Coal Cleaning Corp. type), and one No. 4 air cleaning table of the Stump air flow type by the Roberts & Schaefer Co., have been installed at the tipple, together with a new switchboard for controlling all tipple machinery.

In Drumheller Area three small fires occurred on the surface affecting the ventilating plants at three mines and fires underground in two mines in the Sheerness Area necessitated the closing of the mines and sinking a new opening for one mine, the other being abandoned. A fire at the Kent Mine destroyed the washhouse and hoisthouse, which have been rebuilt.

During the latter half of the year a considerable portion of my time was taken up by the Commission headed by Sir Montague Barlow, Bt., P.C., K.B.E., LL.D., the Commissioner appointed under The Public Inquiries Act, to inquire into the coal industry. Sittings were held in the Court Houses at Edmonton, Drumheller, Calgary, Lethbridge and Blairmore. Sittings were also held at Cadomin and Nordegg. In addition to the sittings held at the above centres, the majority of the larger mines in the Province were visited and inspected by the Commission.

The unfortunate explosion which occurred at Coalhurst took considerable of my time during the month of December.

## THE MINES BRANCH

## ANNUAL PRODUCTION OF COAL FROM MINES IN THE PROVINCE OF ALBERTA

The following table is taken from a report prepared by the Dominion Bureau of Statistics and published in "Coal Statistics for Canada" for the year 1934:

Calendar Year	Short tons	Value
1886	43,220	\$ 81,112
1887	74,152	157,577
1888	115,124	183,354
1889	97,364	179,640
1890	128,753	198,298
1891	174,131	437,243
1892	178,970	460,605
1893	230,070	586,260
1894	184,940	473,827
1895	169,885	382,526
1896	209,162	581,832
1897	242,163	630,408
1898	315,088	787,720
1899	309,600	774,000
1900	311,450	778,625
1901	340,275	850,687
1902	402,819	960,601
1903	495,893	1,117,541
1904	661,732	1,404,524
1905	931,917	1,993,915
1906	1,246,360	2,614,762
1907	1,591,579	3,836,286
1908	1,685,661	4,127,311
1909	1,994,741	4,838,109
1910	2,894,469	7,065,736
1911	3,511,036	3,979,264
1912	3,240,577	8,113,525
1913	4,014,755	10,418,941
1914	3,683,015	9,350,392
1915	3,360,818	8,283,079
1916	4,559,054	11,386,577
1917	4,736,368	14,153,685
1918	5,972,816	20,537,287
1919	4,933,660	18,205,205
1920	6,907,765	30,186,933
1921	5,909,217	27,246,514
1922	5,990,911	24,351,913
1923	6,854,397	28,018,303
1924	5,189,729	18,884,318
1925	5,869,031	20,021,484
1926	6,503,705	20,886,103
1927	6,934,162	21,982,058
1928	7,336,330	23,532,414
1929	7,150,693	22,928,182
1930	5,755,528	18,063,225
1931	4,564,015	13,342,675
1932	4,870,648	13,526,309
1933	4,718,788	12,307,258
1934	4,753,810	12,556,099
Total	140,350,346	\$447,764,242

NOTE: Production quantities and values prior to 1919 refer to sales and colliery consumption. From 1919 to 1934 the mine output figures are given.

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ANNUAL CONSUMPTION OF COAL IN CANADA, 1902-1934

The following revised table is taken from the report issued by the Dominion Bureau of Statistics for year year 1934:

Year	Canadian*	Imported Coal Entered for Consumption†			Total Short tons	Per Capita		
		From Great Britain		Total Short tons				
		From U.S.A.	Short tons					
1902	5,376,413	53.1	4,656,286	101,726	4,734,559	46.9		
1903	6,005,735	47.3	6,520,931	184,593	6,678,450	52.7		
1904	6,697,183	47.9	7,238,869	85,687	7,297,482	52.1		
1905	7,032,661	49.4	7,233,738	68,500	7,215,446	50.6		
1906	7,927,560	50.5	7,787,338	67,014	7,758,325	49.5		
1907	8,617,352	45.0	10,558,697	54,325	10,539,503	55.0		
1908	9,156,478	47.3	10,203,335	97,514	10,195,424	52.7		
1909	8,913,376	47.9	9,805,253	67,671	9,711,826	52.1		
1910	10,532,103	50.2	10,545,451	51,541	10,437,123	49.8		
1911	9,822,749	40.5	14,510,129	48,963	14,424,949	59.5		
1912	12,385,696	46.0	14,557,124	38,668	14,549,104	54.0		
1913	13,450,158	42.6	18,145,769	37,825	18,132,387	57.4		
1914	12,214,403	48.5	14,687,853	33,101	14,657,920	54.5		
1915	11,500,480	48.1	12,450,796	15,098	12,406,212	51.9		
1916	12,348,036	41.3	17,576,202	4,401	17,517,820	58.7		
1917	12,313,603	37.2	20,848,009	9,451	20,810,132	62.8		
1918	13,160,731	37.8	21,674,826	3,761	21,611,101	62.2		
1919	11,611,168	40.3	17,292,913	3,444	17,236,269	59.7		
1920	14,025,566	42.9	18,732,981	1,591	18,688,741	57.1		
1921	12,715,734	41.1	18,300,081	1,591	18,258,387	58.9		
1922	13,044,352	50.2	12,255,555	765,980	12,982,189	49.8		
1923	15,070,962	41.8	20,417,239	572,570	20,367,971	58.2		
1924	12,529,358	42.8	16,405,344	317,112	16,714,143	57.2		
1925	12,125,290	42.6	15,744,957	604,117	16,331,971	57.4		
1926	15,086,256	47.7	16,204,405	287,299	16,365,555	52.3		
1927	15,944,983	46.7	17,266,434	907,220	18,177,303	53.3		
1928	16,487,807	50.0	15,830,688	682,755	16,515,582	50.0		
1929	16,387,461	48.0	16,780,452	843,502	17,724,132	52.0		
1930	14,052,671	43.3	16,971,933	1,144,861	18,412,039	56.7		
1931	11,682,779	47.7	11,783,798	987,442	12,828,327	52.3		
1932	11,212,701	49.0	9,889,866	1,727,716	11,654,492	51.0		
1933	11,456,273	51.5	8,885,935	1,942,875	10,808,962	48.5		
1934	13,236,406	51.1	10,580,710	1,981,116	12,651,168	48.9		

\*The sum of Canadian coal-mine sales, colliery consumption, coal supplied to employees and coal used in making coke, etc., less the tonnage of coal exported.

†Includes small tonnages from countries other than Great Britain and the United States. Deductions have been made to take account of foreign coal re-exported from Canada and bituminous coal ex-warehouse for ships' stores.

## THE MINES BRANCH

The following table shows the quantity of coke imported into Canada during the years 1933, 1934 and 1935 through ports in the Provinces, compiled from information received from the Dominion Bureau of Statistics:

Ports in Province of:	1933	1934	1935
Prince Edward Island .....			
Nova Scotia .....	6,851	8,361	* 6,494
New Brunswick .....	121	464	* 55
Quebec .....	12,314	27,177	* 13,371
Central Ontario .....	562,755	864,030	*469,657
Ontario (Head of Lakes) .....	53,063	17,205	* 19,782
Manitoba .....	8,125	11,091	* 12,748
Saskatchewan .....			
Alberta .....			
British Columbia .....	846	1,893	* 1,751
 Total .....	 644,075	 930,221	 *523,858

## Imports of Coke into Canada, by Countries, 1933, 1934, 1935.

United States .....	624,293	*896,637	*504,906
Great Britain .....	19,668	* 33,270	* 7,295
Germany .....	114	* 314	* 4,595
Belgium .....			* 2,786
Poland .....			* 4,276
 Total .....	 644,075	 *930,221	 *523,858

\*These figures show the total imports and not the tonnages "entered for consumption."

Quantity of coal in tons, entered for consumption for each year since 1919, through ports in the Provinces of Manitoba, Saskatchewan, Ontario, British Columbia and Yukon, and Alberta.

## BITUMINOUS COAL

Year	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia & Yukon	Total Canada
1919	7,641,682	433,991	59,253	1,063,733	9,248,719	62,746	1,406	1,131	6,700	12,010,490
1920	10,261,237	571,879	111,957	1,391,709	12,336,903	43,547	607	13,128	15,902,632	15,536,250
1921	8,865,872	659,763	127,956	1,316,155	10,709,746	76,833	2,127	1,820	17,081	11,563,467
1922	7,424,171	445,019	68,082	1,517,230	9,454,522	74,848	1,484	1,147	13,966	17,517,108
1923	11,621,859	619,037	95,037	1,731,667	14,068,002	112,134	1,607	1,110	2,422	25,049
1924	8,763,676	403,388	70,259	1,500,525	10,737,848	143,607	1,732	1,732	40,286	13,015,323
1925	9,106,462	497,264	81,173	9,884,710	147,758	1,887	1,175	32,992	13,802,242	
1926	10,531,095	159,908	83,182	965,105	11,696,108	149,374	2,141	1,515	22,648	15,178,640
1927	11,532,678	221,994	90,864	1,273,681	13,158,927	142,860	1,324	1,324	2,536	13,968,183
1928	10,539,408	194,718	103,594	1,481,228	12,318,948	97,002	1,390	1,682	18,526 (a)	14,565,775 (b)
1929	11,232,027	143,889	100,141	1,591,656	13,067,713	38,801	2,477	1,327	8,886 (c)	13,345,308 (d)
1930	10,421,748	165,499	70,403	1,297,939	11,955,589	24,898	1,816	1,816	1,351	10,347,280 (e)
1931	8,553,736	86,510	65,738	609,279	9,315,563	7,041	1,535	912	8,532,318 (f)	8,582 (n)
1932	6,867,307	62,019	48,915	691,831	7,670,072	12,298	1,459	830	26,077 (g)	8,446,904 (h)
1933	7,037,634	74,934	30,108	482,206	7,644,882	13,213	1,327	998	2,307 (r)	10,273,557
1934*	8,422,143	126,671	37,085	607,122	9,243,021	12,103	1,235	1,302	1,136	9,556,214
1935*	8,032,739	6,033	53,145	598,567	8,650,484	9,918	952	1,136	3,722 (s)	3,447,638

## ANTHRACITE COAL

1919	2,977,913	119,234	559	346,442	3,444,148	12,906	206	517	66	136
1920	2,933,134	69,236	2,648	226,416	3,221,464	17,509	206	517	75	4,912,283
1921	62,782	138	12	36,018	3,010,217	33,473	254	66	251	4,912,964
1922	1,586,924	21,307	429	1,644,461	14,715	231	.....	.....	1,261	4,567,370
1923	3,061,779	22,229	237	1,644,766	55,556	2,291	.....	.....	174	2,693,357
1924	2,599,568	4,775	84,513	2,689,093	34,222	1,720	.....	.....	687	5,167,881
1925	2,293,281	37	170	50,731	2,254,049	34,396	702	30	246	4,183,594
1926	2,488,674	56	66,810	2,519,494	37,990	464	.....	.....	5,202	3,798,744
1927	2,123,515	51	79,233	2,202,849	15,885	484	.....	.....	3,812	4,242,932
1928	2,179,022	42	57,494	2,236,558	10,130	579	.....	.....	2,241	4,063,619
1929	2,246,063	352	303	52,369	2,239,087	9,180	365	.....	597	3,737,333
1930	2,060,457	224	45,241	2,125,922	8,323	367	.....	.....	1,123	4,019,917 (g)
1931	1,615,643	3	18,302	1,653,945	3,695	.....	.....	3	1,123	4,256,090 (h)
1932	1,250,755	8	12,677	1,263,435	3,800	57	3	702	3,178,141 (i)	3,158,157 (m)
1933	1,129,041	3,030	7,934	1,335,845	6,069	.....	75	3,657	2,822	3,058,613 (p)
1934*	1,374,881	19	3,464	1,373,602	5,852	49	.....	.....	1,600	3,447,638

\*These figures show the total imports and not the tonnages "entered for consumption."

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(a) Includes 11 tons imported in February, 50 tons in July and 6 tons in August into the Yukon Territory.

(b) Includes 115,368 tons of bituminous coal from Great Britain, also 76 tons of bituminous coal from Newfoundland. During 1929 there were 1,896 tons of lignite coal imported from the United States into Manitoba, 41 tons were imported from the United States into Saskatchewan, also 12,171 tons from the United States into British Columbia, making a total of 14,108 tons of lignite coal imported into Canada from the United States.

(c) Includes imports into the Yukon Territory of 2 tons in April and 5 tons in June.

(d) Consists of 13,199,076 tons imported from the United States, 146,198 tons imported from Great Britain and 33 tons imported from Newfoundland.

(e) Includes imports into the Yukon Territory of 6 tons in March and 4 tons in July.

(f) Consists of 10,224,982 tons imported from the United States, 122,298 tons imported from Great Britain.

(g) Includes 728,458 tons of anthracite imported from Great Britain, 117,404 tons from Russia and 112 tons from Japan.

(h) Consists of 2,955,954 tons imported from United States, 996,127 tons imported from Great Britain, 11,480 tons imported from Germany, 291,407 tons imported from Russia, and 1,122 tons imported from French East Indies.

(i) Consists of 2,236,423 tons imported from the United States, 876,364 tons imported from Great Britain, 60,762 tons imported from Germany and 4,592 tons imported from French East Indies.

(k) Consists of 8,170,248 tons imported from the United States, 362,068 tons imported from Great Britain, and 2 tons imported from Newfoundland.

(m) Consists of 1,685,532 tons imported from the United States, 1,399,086 tons imported from Great Britain, 52,189 tons imported from Germany, 650 tons from Belgium and 700 tons imported from the French East Indies.

(n) Includes 4 tons imported in June, into the Yukon Territory.

(o) Consists of 8,108,699 tons imported from the United States, 338,061 tons imported from Great Britain and 144 tons imported from Germany.

(p) Consists of 1,429,829 tons imported from the United States, 1,605,776 tons imported from Great Britain, 6 tons imported from China, and 2 tons imported from Alaska.

(q) Includes imports into the Yukon Territory of 5 tons in May and 2 tons in October.

(r) Includes imports into the Yukon Territory of 5 tons in May, 20 tons in June, and 12 tons in September.

(s) Includes imports into the Yukon Territory of 10 tons in July and 10 tons in October.

Imports† of Coal into Ontario, Manitoba, Saskatchewan, Alberta, British Columbia, Yukon and also Canada, by months during 1935 (short tons)

BITUMINOUS COAL

Month	Central Ontario	Port Arthur	Port Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Total Man., Sask., Alta., B.C., and Yukon	Total Canada
January	280,601	.....	4,468	295,069	9,13	.....	.....	59	.....	.....	972	310,802
February	273,621	.....	3,501	277,122	831	1,233	33	108	248	.....	1,292	302,744
March	354,561	.....	4,141	358,702	.....	.....	199	66	1,465	2,944	392,282	
April	468,397	2,906	31,068	502,371	672	467	247	250	1,033	516,931	.....	
May	847,092	3	3,167	63,384	914,246	747	182	146	1,426	1,072,887	.....	
June	936,119	12	3,360	95,321	1,034,812	467	67	107	126	960	1,132,511	
July	849,441	5,238	5,344	63,023	923,046	767	107	101	126	10	1,111	1,047,529
August	972,750	.....	2,480	1,101,274	480	168	39	329	.....	.....	1,016	1,214,075
September	849,752	7	5,104	949,165	1,670	34	107	103	1,044	1,054,319	.....	
October	717,437	718	7,037	47,346	772,538	868	25	71	30	10	1,004	835,946
November	926,633	55	7,280	54,315	988,208	527	32	603	1,162	1,055,500	.....	
December	556,335	4,377	17,164	577,931	743	.....	38	113	894	620,698	.....	
Total	8,032,739	6,033	53,145	598,567	8,690,484	9,918	932	1,136	3,702	20	15,728	*9,556,214

\*Consists of 9,175,185 tons imported from the United States, 380,645 tons imported from Great Britain, 43 tons imported from Alaska, 285 tons imported from Norway, 55 tons imported from Estonia, and 1 ton imported from Poland.

ANTHRACITE COAL

Month	Central Ontario	Port Arthur	Port Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Total Man., Sask., Alta., B.C., and Yukon	Total Canada
January	133,944	2	.....	133,946	705	.....	.....	.....	.....	.....	705	167,634
February	149,340	4	.....	149,344	541	.....	.....	.....	.....	.....	541	191,019
March	104,340	.....	104,340	467	.....	.....	.....	32	.....	.....	32	136,450
April	93,969	.....	.....	93,969	354	.....	.....	.....	.....	.....	354	135,023
May	102,482	.....	2,001	104,483	394	.....	.....	.....	.....	.....	394	412,013
June	149,550	.....	.....	149,590	162	.....	.....	.....	.....	.....	162	373,695
July	98,452	.....	.....	1,463	99,945	474	.....	.....	.....	.....	474	385,027
August	66,603	6	.....	66,603	334	.....	.....	732	.....	.....	732	314,185
September	108,865	.....	.....	108,865	909	24	.....	836	.....	.....	836	372,472
October	174,467	6	.....	174,473	544	.....	.....	.....	.....	.....	544	477,585
November	73,416	1	.....	73,422	517	25	.....	.....	.....	.....	542	303,774
December	114,631	.....	.....	114,632	451	.....	.....	451	.....	.....	451	178,751
Total	1,370,119	.....	19	3,464	1,373,602	5,852	49	.....	1,600	.....	7,501	*3,447,638

†Consists of 1,664,094 tons imported from the United States, 1,456,832 tons imported from Great Britain, 205,045 tons imported from Germany, 67,220 tons imported from France, Indo China, and 54,447 tons imported from Belgium.

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## LIGNITE COAL.

Month	Central Ontario	Fort Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon	Total Man., Sask., Alta., B.C., and Yukon	Total Canada
January .....	.....	.....	.....	.....	40	.....	.....	.....	550	.....	590	590
February .....	.....	.....	.....	.....	52	.....	.....	616	.....	.....	668	668
March .....	.....	.....	.....	.....	56	.....	.....	374	.....	430	430	430
April .....	.....	.....	.....	.....	10	.....	.....	104	.....	117	117	117
May .....	.....	.....	.....	.....	.....	.....	.....	3	.....	150	150	150
June .....	.....	.....	.....	.....	.....	.....	.....	.....	150	.....	.....	.....
July .....	.....	.....	.....	.....	.....	.....	.....	.....	193	.....	193	193
August .....	.....	.....	.....	.....	.....	.....	.....	59	.....	59	59	59
September .....	.....	.....	.....	.....	.....	.....	.....	158	.....	328	486	486
October .....	.....	.....	.....	.....	.....	.....	.....	117	5	495	617	617
November .....	.....	.....	.....	.....	.....	.....	.....	78	5	636	784	784
December .....	.....	.....	.....	.....	.....	.....	.....	2	26	1,124	1,152	1,152
Total .....	.....	.....	.....	.....	396	182	.....	39	4,629	.....	5,246	5,246

## TOTAL IMPORTATIONS

Bituminous	.....	8,032,739	6,033	53,145	598,567	8,690,484	9,918	952	1,136	3,702	20	15,728
Anthracite	.....	1,370,119	.....	19	3,464	1,375,602	5,852	49	.....	1,600	.....	7,501
Lignite	.....	.....	.....	.....	.....	.....	396	182	39	4,629	.....	5,246
Total .....	.....	9,402,858	6,033	53,164	602,031	10,064,086	16,166	1,183	1,175	9,931	20	28,475
												13,009,098

<sup>#</sup>These figures show the total imports and not the tonnages "entered for consumption."

## MINERAL PRODUCTION OF ALBERTA, 1934 AND 1935

Prepared in the Mining, Metallurgical and Chemical Branch, Ottawa, Canada.

	1934		1935†	
	Quantity	Value	Quantity	Value
*Gold, fine ounces	393	\$ 8,124	150	\$ 3,101
†Exchange equalization		5,434		2,178
Silver, fine ounces	35	17	16	10
Bituminous sands, short tons	862	3,449	40	160
Coal, short tons	4,753,810	12,556,099	5,461,027	14,086,764
Natural Gas. M. cubic feet	14,841,491	3,707,276	15,700,000	4,105,000
Petroleum, barrels	1,253,966	3,104,823	1,245,871	3,078,283
Cement, barrels	163,946	326,253	219,555	436,914
Clay Products		246,677		319,335
Lime, short tons	7,455	65,697	6,584	57,108
Sand and Gravel, short tons	650,232	196,898	591,084	196,204
Stone, short tons	2,737	8,104	2,242	6,981
 Total		\$20,228,851		\$22,292,038

\*Gold valued at standard rate of \$20.671834 per ounce.

†Difference between the standard rate and the average value of gold during the year.

‡Subject to revision.

Particulars with reference to the Coal-mining Industry in the Province of Alberta during the year ending December 31, 1935:

## SUMMARY OF STATISTICS

Tonnage stripped by farmers under domestic permit	395
Number of short tons of coal produced	5,462,973
Number of short tons of briquettes produced	18,812
Number of short tons of coke produced	63,428
Number of short tons of shale produced	20,258
Number of coal-mines in operation during the year	307
Number of shale pits in operation during the year	4
Number of mines opened during the year	17
Number of mines re-opened during the year	10
Number of mines closed during the year	13
Number of mines abandoned during the year	33
Number of mines in operation at December 31, 1935	271
155 mines or 50.49% of the total operating produced 1.08% of the output.	
69 mines or 22.48% of the total operating produced 2.95% of the output.	
13 mines or 4.23% of the total operating produced 1.77% of the output.	
39 mines or 12.70% of the total operating produced 20.38% of the output.	
16 mines or 5.21% of the total operating produced 20.90% of the output.	
7 mines or 2.28% of the total operating produced 18.20% of the output.	
3 mines or .98% of the total operating produced 9.15% of the output.	
2 mines or .65% of the total operating produced 7.53% of the output.	
3 mines or .98% of the total operating produced 18.04% of the output.	
Average number of persons employed below ground	5,644
Average number of persons employed above ground	2,156

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Number of separate accidents causing loss of life .....	19
Number of deaths caused by accidents above ground .....	3
Number of deaths caused by accidents below ground .....	32
Number of serious accidents above ground .....	6
Number of serious accidents below ground .....	60
Number of slight accidents above ground .....	22
Number of slight accidents below ground .....	91
Total purchased electrical power (kilowatt hours) .....	23,111,373
Number of persons prosecuted .....	39
Number of Provisional Certificates (overman) issued in 1935 .....	162
Number of Certificates of Competency as Coal-miners issued in 1935 .....	332
Number of Third Class Certificates issued in 1935 .....	36
Number of Second Class Certificates issued in 1935 .....	3
Number of First Class Certificates issued in 1935 .....	1
Number of Mine Surveyors' Certificates issued in 1935 .....	1
Total number of Third Class Certificates issued to Dec. 31, 1935 .....	1,316
Total number of Second Class Certificates issued to Dec. 31, 1935 .....	434
Total number of First Class Certificates issued to Dec. 31, 1935 .....	238
Total number of Mine Surveyors' Certificates issued to Dec. 31, 1935 .....	187
Total number of Interchange First Class Certificates issued to Dec. 31, 1935 .....	5
Total number of Certificates of Competency as Coal-miners issued to Dec. 31, 1935 .....	13,945

In the following tables the short ton of 2,000 lbs. is used in all cases.

Year	Output in tons for N.W.T. (Alta. & Sask.)	Output in tons for Alberta
1901 .....	346,649	.....
1902 .....	510,674	.....
1903 .....	622,939	.....
1904 .....	782,931	.....
1905 .....	.....	811,228
1906 .....	.....	1,385,000
1907 .....	.....	1,834,745
1908 .....	.....	1,845,000
1909 .....	.....	2,174,329
1910 .....	.....	3,036,757
1911 .....	.....	1,694,564
1912 .....	.....	3,446,349
1913 .....	.....	4,306,346
1914 .....	.....	3,821,739
1915 .....	.....	3,434,891
1916 .....	.....	4,638,604
1917 .....	.....	4,863,414
1918 .....	.....	6,148,620
1919 .....	.....	5,022,412
1920 .....	.....	6,908,923
1921 .....	.....	5,937,195
1922 .....	.....	5,976,432
1923 .....	.....	6,866,923
1924 .....	.....	5,203,713
1925 .....	.....	5,883,394
1926 .....	.....	6,508,908
1927 .....	.....	6,936,780
1928 .....	.....	7,334,179
1929 .....	.....	7,147,250
1930 .....	.....	5,755,911
1931 .....	.....	4,564,290
1932 .....	.....	4,870,030
1933 .....	.....	4,714,784
1934 .....	.....	4,748,848
1935 .....	.....	5,462,973

## PARTICULARS OF WORK DONE IN SHALE MINES IN THE PROVINCE DURING 1935

Output of shale in tons, used for making bricks	20,258
Number of shifts worked: April 679, May 609, June 723, July 846, Aug. 831, Sept. 891, Oct. 807, Nov. 444; total	8,540
Average number of men employed	36
Explosives used (lbs.), 40% dynamite	1,803
Number of shots fired, using fuse	1,055
Total number of bricks made	7,349,300
Total number of bricks put to stock	543,880
Total number of bricks lifted from stock	306,719
Bricks sold for use in: Alberta	3,592,421
British Columbia	802,650
Manitoba	456,150
Saskatchewan	2,454,630
Ontario	65,000
<b>Total</b>	<b>7,370,851</b>

## PARTICULARS OF WORK DONE BY FARMERS STRIPPING COAL UNDER DOMESTIC PERMIT

Tonnage	395
Number of days worked during year	90
Number of men employed during year	60
Total number of shifts worked	217
Total number of permits issued	29

The above coal was stripped for Domestic use only and not for sale.

## CLASSIFICATION OF OUTPUT DURING THE YEARS 1901 TO 1935 INCLUSIVE

Year	Domestic	Domestic and Bituminous	Sub-Bituminous	Bituminous	Anthracite	Coal used in coke production	Briquettes	Coke
*1901	331,907					14,742		
*1902	494,087					16,587		
*1903	617,754					5,185		
*1904	759,588					23,363		
*1905	972,686					43,633		
1906	602,780					235,357		
1907	639,335					256,115		
1908	584,334					249,095		
1909	763,673					213,257		
1910	878,011					261,795		
1911	964,700					196,249		
1912	1,341,389					80,119		
1913	1,763,225					61,591		
1914	1,697,401					178,589		
1915	1,682,922					168,720		
1916	2,172,801					170,971		
1917	2,537,829					125,732		
1918	3,035,061					140,544		
1919	2,611,009					2,206,868		
1920	3,359,309					118,717		
1921	2,943,141					131,225		
1922	3,086,869					2,982,334		
1923	3,161,741					2,325,787		
1924	3,096,880					95,616		
1925	3,156,559					3,419,021		
1926	3,160,029					130,594		
1927	3,357,771					2,897,380		
1928	3,378,240					2,214,273		
1929	3,385,749					459,869		
1930	2,874,090					3,245,313		
1931	2,246,544					535,765		
1932	2,576,331					1,521,288		
1933	2,424,047					2,145,200		
1934	2,235,366					490,371		
1935	2,647,912					2,858,508		

\*Includes output from Alberta and Saskatchewan. Previous to 1922 sub-bituminous was included in bituminous coal.

During the year 1909 a strike affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1911 a strike affecting all the larger mines in the Province, lasted for a period of eight months.

During the year 1917 a strike affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1919 a strike affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1922 a strike affecting all the larger mines in the Province, lasted for a period of five months.

During the year 1924 a strike affecting all the larger mines in the Province, lasted for a period of six and one-half months.

Total output of COAL, COKE and BRIQUETTES disposed of during 1935:

Areas	Sold for Consumption in		Total Sales	Used under Bottles	Used by R.R.	Used making	Put to Stock	Put to Waste	Lifted from Stock	Lifted from	Total output for year to stock and waste but not including waste or stock
	Alberta	Saskat-									
Domestic	1,161,343	73,002	1,045,680	234,730	37,278	12,783	2,564,816	50,224	1,422	36,991	18,210,19,981
Sub-Bituminous	44,890	40,283	15,686	68,809	24,257	177	295,451	489,563	27,485	5,332	43,701,1,655
Bituminous	40,726	108,463	59,450	132,274	3,124	11,752	1,655,104	2,020,893	85,478	1,073	17,490,98,233
Total	1,246,959	221,758	1,120,816	435,813	64,659	...	24,712	1,960,555	5,075,272	163,197	7,847,17,490,98,233,68,888
Briquettes	2,108	3,549	2,335	4,646	2,129	...	4,045	18,812	63,428	...	...
Coke	545	62,873	...	...	...	...	...	...	...	...	18,812
						...	...	...	...	...	63,428

Total output of COAL, COKE and BRIQUETTES disposed of during 1934:

Domestic	1,009,525	57,534	906,252	205,212	32,203	9,533	2,220,319	64,442	1,343	20,628	17,466,24,667
Sub-Bituminous	40,906	27,170	14,165	70,981	20,356	31	253,123	426,732	28,358	4,339	74,313
Bituminous	37,467	42,934	66,222	114,939	3,388	...	4,146,1,434,127	1,703,823	82,463	992,14,765,91,745,28,170	560
Total	1,087,898	127,638	986,639	391,132	55,947	311,379,1,687,850,4,350,874	175,263	7,088,14,765,91,745,53,147,112,656,52,192	4,498	4,498	4,748,848
Briquettes	1,929	2,578	1,808	3,640	2,028	35	...	3,923	15,906	59,777	138
Coke	680	59,062	...	...	...	...	...	...	...	...	212
						...	...	...	...	...	15,906
						...	...	...	...	...	59,703

## THE MINES BRANCH

How the total output of DOMESTIC Coal from the Province was disposed of by areas during 1935:

How the total output of SUB-BITUMINOUS Coal was disposed of during 1935:

Sold for consumption in		Solid to Railroads		Total Sales		Used under		Colliery Boilers		Used by R.R.		Brigandine		Used making		Coke		Put to Stock		Put to Waste		Waste from		Total output for		
		Alberta	British Columbia	Manitoba	Saskatchewan	Ontario	United States	Colombia	Colombia	Colombia	Colombia	Colombia	Colombia	Colombia	Colombia	Colombia	Colombia	Colombia	Colombia	Colombia	Colombia	Colombia	Colombia	Colombia	Colombia	Colombia
Coalspur	.....	25,539	33,838	4,505	52,705	14,614	80	214,485	345,766	18,913	5,352	.....	.....	1,349	43,278	1,008	164	413,486	4,298	.....	.....	.....	.....	.....	.....	
Okotoks	.....	4,985	.....	.....	.....	.....	.....	.....	4,085	88	.....	.....	.....	.....	69	166	110	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pincher	.....	1,098	.....	.....	.....	.....	.....	.....	1,098	32	.....	.....	.....	.....	38	237	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Prairie Creek	.....	8,205	5,626	5,975	10,506	4,675	97	80,966	106,276	3,966	32,338	4,486	.....	.....	150	220	220	.....	.....	.....	.....	.....	.....	.....	110,192	37,055
Saunders	.....	5,963	829	9,975	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	548	317	317	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	.....	44,380	40,293	15,686	68,809	24,257	177	295,451	489,563	27,485	5,352	.....	.....	.....	2,154	43,701	1,655	164	566,436	4,298	.....	.....	.....	.....		

## BITUMINOUS

Cascade	2,767	965	2,274	13,940	99,570	119,516	15,371	406	17,490	98,233	5,111	152,925					
Crownest	28,439	103,119	53,378	37,817	3,124	11,732	90,5279	11,142,008	30,357	24,180	28,008	26,513					
Mountain Park	5,380	4,379	1,119	80,517	...	...	526,642	618,037	33,231	...	...	436					
Nordegge	4,140	...	2,679	...	...	...	133,613	140,432	6,519	...	385	308					
<b>Total</b>	<b>40,726</b>	<b>108,463</b>	<b>59,450</b>	<b>132,274</b>	<b>3,124</b>	<b>11,752</b>	<b>11,665</b>	<b>104,2,020,893</b>	<b>85,478</b>	<b>1,073</b>	<b>17,490</b>	<b>98,233</b>	<b>29,722</b>	<b>28,103</b>	<b>31,932</b>	<b>436</b>	<b>2,248,625</b>

## THE MINES BRANCH

How the total output of COAL from the Province was disposed of by months during 1935:

Months	Sold for Consumption in			Companies Sold to Railroads	Total Sales	Used marketing Bottles under Collifery R.R.	Used marketing Bottles under Collifery R.R.	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output Year to Stock and Waste from stock not sold for marketing or waste
	Alberta	Saskat- chewan	British Columbia									
January .....	212,906	24,933	172,328	81,676	12,455	3,645	141,381	649,324	20,954	885	3,438	7,337
February .....	81,297	13,155	62,690	29,216	7,184	1,123	135,128	325,793	14,932	637	1,199	7,088
March .....	103,643	15,637	81,016	29,554	2,269	1,684	160,575	394,378	16,101	710	1,276	7,832
April .....	73,174	10,355	44,346	17,263	773	489	171,144	317,444	11,694	544	682	7,649
May .....	40,116	10,657	22,477	12,846	522	1,201	153,711	241,550	10,361	509	250	8,044
June .....	31,804	9,851	28,834	13,932	264	349	144,667	229,661	9,593	520	577	7,862
July .....	29,581	10,770	17,999	12,063	1,287	359	159,198	231,257	9,676	549	384	9,186
August .....	53,903	16,113	66,772	18,011	1,373	970	172,046	329,188	10,201	379	1,167	9,096
September .....	89,194	21,580	98,852	30,411	6,355	1,805	191,368	439,575	12,452	695	1,602	8,923
October .....	163,203	34,021	195,862	44,876	11,125	2,885	181,525	633,507	15,202	793	1,996	9,573
November .....	216,871	31,081	207,630	83,305	10,447	6,091	194,748	750,173	16,304	986	2,960	9,066
December .....	151,267	23,595	122,010	62,680	10,605	4,111	155,084	529,322	15,727	630	2,059	6,577
Total .....	1,246,959	221,758	1,120,816	435,813	64,659	24,712	1,960,555	5,075,272	163,197	7,847	17,490	98,233
Percentage of Sales .....	24.57	4.37	22.08	8.53	1.33	0.49	38.63					

Percentage of Sales .....

24.57

4.37

22.08

8.53

1.33

0.49

38.63

How the total output of DOMESTIC Coal was disposed of by months during 1935:

Months	Sold for Consumption in						Used by Colliery R.R.	Used under Colliery Boilers	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year to stock and waste from stock not utilized or waste
	Alberta	British Columbia	Saskat- chewan	Manitoba	Ontario	United States							
January	199,118	11,637	162,536	47,443	7,873	2,410	431,067	8,124	255	3,210	2,219	2,007	708
February	76,267	3,036	58,181	12,770	4,105	264	154,623	5,995	97	1,267	1,189	3,173	908
March	95,023	2,961	76,455	14,278	1,550	544	160,811	5,438	95	544	96	1,448	159,090
April	68,715	2,346	40,947	5,050	405	308	117,831	2,264	20	647	538	880	195,922
May	36,812	2,930	18,484	4,540	205	33	64,004	1,678	34	524	288	990	119,761
June	28,822	1,437	25,394	4,360	63	...	60,666	1,680	...	266	257	872	65,221
July	27,091	1,261	14,602	2,796	847	83	46,680	1,458	54	399	450	447	61,568
August	48,509	4,440	61,177	6,985	355	238	121,704	2,216	95	1,042	1,050	518	48,584
September	81,953	8,642	90,881	15,605	2,895	1,116	261,062	4,210	164	4,532	1,682	848	125,467
October	152,047	11,752	186,259	30,112	6,419	1,805	388,484	5,623	177	10,032	3,231	1,575	210,655
November	204,739	14,753	195,689	55,510	5,817	3,627	480,145	6,126	324	12,277	4,332	3,209	405,972
December	142,247	7,777	113,425	35,281	6,654	2,355	307,739	5,412	107	2,251	2,028	4,014	499,994
Total	1,161,343	73,002	1,045,680	234,730	37,278	12,783	2,564,816	50,234	1,422	36,991	18,220	19,981	3,780
Percentage of Total Sales	45.27	2.85	40.77	9.05	1.56	.50							

## THE MINES BRANCH

How the total output of SUB-BITUMINOUS Coal was disposed of by months during 1935:

How the total output of BITUMINOUS Coal was disposed of by months during 1935:

Month	Sold for Consumption in		Total Sales	Used under Colliery Boilers	Used by Colliery R.R.	Used making Coke	Used making Brick	Put to Stock	Put to Waste	Litter from Stock	Litter from Waste	Total output for mining year in stock but not littered from waste or stock		
	Alberta	British Columbia Saskatchewan Manitoba												
January	6,483	5,315	7,480	21,619	470	1,225	116,141	158,743	9,586	7,337	3,438	1,820	1,977	
February	2,945	8,663	4,021	9,991	361	736	109,871	136,648	6,794	7,088	1,199	3,711	2,629	
March	3,675	6,328	10,862	229	1,050	147,927	161,986	8,257	70	7,832	1,276	2,456	1,625	
April	2,832	6,721	3,273	10,894	245	181	147,052	170,698	7,600	95	7,649	909	2,856	2,642
May	1,815	6,832	2,846	7,753	146	1,168	130,360	150,940	6,742	73	8,042	250	2,701	1,958
June	1,538	8,073	2,627	9,270	349	120,570	142,523	6,260	87	7,862	577	3,208	2,338	
July	1,580	8,261	2,922	8,269	196	146,051	167,359	6,481	106	9,186	384	1,335	1,942	
August	2,938	10,459	4,628	7,999	146	727	168,175	195,087	6,333	104	9,026	1,671	2,640	6,133
September	3,176	9,537	6,068	8,430	342	639	165,194	193,456	5,817	101	8,923	1,602	2,648	2,292
October	4,525	15,595	6,776	7,393	506	1,080	151,328	187,803	6,820	108	9,396	897	2,725	2,459
November	4,955	9,444	8,359	14,794	293	2,464	164,045	194,269	7,087	109	9,056	2,860	2,934	2,663
December	4,264	10,905	6,625	15,555	290	1,722	122,790	162,181	7,601	82	6,577	2,059	3,752	2,821
Total	40,726,108,463		59,450	132,274	3,124	11,752	11,665	10,420	893	85,478	1,073	98,233	17,490	29,723
Percentage of Total Sales	2.01		5.36	6.54	0.18	0.58	82.39		436		2,248,625			

## THE MINES BRANCH

Amount of COAL sold during the years 1915 to 1935 inclusive for consumption in:

Year	Alberta	British Columbia	Saskat- chewan	Manitoba	Ontario	North- West Territories	Quebec	United States	To Railroads	Total
1915	2,129,130	54,860	695,898	64,816	.....	.....	.....	25,047	.....	2,969,751
1916	2,896,670	86,413	1,007,765	97,265	.....	.....	.....	61,092	.....	4,119,205
1917	2,813,413	76,397	1,139,771	249,872	.....	.....	.....	92,061	.....	4,372,534
1918	3,440,154	101,189	1,372,438	511,168	629	.....	.....	132,276	.....	5,558,855
1919	2,991,110	95,461	1,115,359	314,290	308	.....	.....	121,212	.....	4,637,710
1920	1,647,202	128,850	1,310,146	600,962	13,911	.....	.....	30	2,516,555	6,371,266
1921	1,415,861	116,089	1,294,441	495,388	9,898	.....	.....	133,823	2,023,204	5,488,704
1922	1,443,942	107,920	1,371,249	520,518	21,573	.....	.....	105,514	2,076,291	5,647,109
1923	1,382,788	108,326	1,223,454	553,649	52,334	.....	.....	102	1,110,121	6,514,219
1924	1,451,327	114,186	1,183,788	510,407	16,325	.....	.....	88,357	3,110,121	6,914,949
1925	1,440,032	117,037	1,297,653	509,655	28,851	.....	.....	39,142	1,613,574	4,513,431
1926	1,325,290	127,858	1,296,181	591,267	74,359	.....	.....	40,507	2,139,716	5,513,431
1927	1,508,089	187,028	1,427,904	612,542	22,680	.....	.....	48,216	2,706,440	6,170,032
1928	1,409,475	262,198	1,511,141	605,125	44,265	.....	.....	45,160	2,759,765	6,653,168
1929	1,446,555	236,840	1,455,213	588,647	55,647	.....	.....	52,265	3,054,239	6,938,708
1930	1,234,382	227,385	1,221,532	541,537	29,784	.....	.....	33	51,625	6,758,075
1931	1,020,694	171,610	905,574	442,761	27,036	.....	.....	32	44,291	2,120,237
1932	1,134,311	136,188	1,097,332	497,006	20,583	.....	.....	100	30,434	1,668,451
1933	1,123,357	120,911	1,052,910	449,681	39,437	.....	.....	135	27,366	1,619,921
1934	1,087,898	127,538	986,639	391,132	55,947	.....	.....	32	18,449	4,532,892
1935	1,246,959	221,758	1,120,816	435,813	64,659	.....	.....	31	13,739	4,304,838
									24,412	1,960,555
										5,075,272

NOTE: Previous to 1920 Railroad Coal was included in Sales in Alberta.

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Coal produced by years from 1931 to 1935 inclusive:

## DOMESTIC COAL FIELD

Areas	1931	1932	1933	1934	1935
Ardley	10,578	18,409	20,099	21,549	25,565
Big Valley	3,344	4,738	4,407	2,056	3,494
Brooks	4,905	6,622	6,614	7,423	8,040
Camrose	41,194	42,376	37,454	39,435	57,466
Carbon	85,824	88,837	100,549	87,856	95,424
Castor	24,162	37,043	34,694	31,450	34,920
Champion	12,113	17,296	20,541	19,422	20,836
Drumheller	1,070,543	1,245,474	1,112,204	1,033,000	1,261,239
Edmonton	370,252	454,293	477,791	452,019	493,263
Gleichen	3,235	5,260	4,662	6,707	9,165
Halcourt	2,080	2,275	2,873	3,040	3,738
Lethbridge	358,746	387,222	335,166	312,677	349,676
Magrath	1,749	1,808	2,013	2,002	1,282
Milk River	3,879	4,051	5,295	4,796	4,485
Pakani		195			
Pakowki	1,615	2,717	2,602	2,252	2,781
Pembina	92,916	99,051	101,684	70,964	72,149
Redcliff	25,119	24,045	32,267	45,938	34,149
Rochester	225		1,348	1,033	1,467
Sexsmith	34				
Sheerness	20,134	24,726	27,290	67,942	91,024
Steveville		136	100		
Taber	11,863	14,387	15,813	16,549	14,669
Tofield	101,792	95,637	88,212	66,003	59,426
Wetaskiwin	188	180	170	58	728
Whitecourt	54		44		67
No Area		53	155	1,395	2,859
Total	2,246,544	2,576,831	2,434,047	2,295,566	2,647,912

## SUB-BITUMINOUS COAL FIELD

Coalspur	398,063	452,532	427,485	410,108	413,486
Pekisko	873	1,527	1,573	2,881	4,298
Pincher	2,413	2,729	1,983	1,809	1,405
Prairie Creek	35,523	66,784	84,765	88,260	110,192
Saunders	34,512	35,907	38,335	34,484	37,055
Total	471,389	559,479	554,141	537,542	566,436

## BITUMINOUS COAL FIELD

Cascade	166,297	169,328	124,607	161,869	152,925
Crowsnest	951,970	714,352	876,448	991,233	1,297,404
Mountain Park	560,875	711,383	584,430	623,231	651,268
Nordegg	167,215	138,657	141,111	139,407	147,028
Total	1,846,357	1,733,720	1,726,596	1,915,740	2,248,625

## THE MINES BRANCH

Total output of DOMESTIC COAL by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	4,591	1,926	2,002	908	753	578	290	979	1,969	3,272	4,695	3,612	25,565
Big Valley	1,520	246	261	119	126	36	46	99	295	324	324	387	3,494
Brooks	741	400	501	318	153	161	325	1,036	1,798	1,305	1,186	1,186	8,040
Camrose	9,505	3,510	4,850	2,717	1,402	1,079	1,548	2,230	3,777	7,717	11,387	7,744	57,466
Carbon	14,941	6,560	8,100	2,769	2,258	1,706	2,361	4,340	6,109	15,143	17,405	11,299	95,424
Castor	5,596	2,769	1,770	861	385	274	286	492	1,633	5,989	8,431	5,433	34,920
Champion	2,364	1,142	1,398	1,587	816	654	567	1,240	1,884	3,427	3,233	2,524	20,836
Drumheller	217,935	67,885	81,077	32,354	16,256	20,329	16,407	60,222	103,268	219,733	254,440	155,434	1,261,239
Edmonton	90,421	36,938	48,286	32,354	16,256	11,765	9,632	16,289	30,443	56,573	81,775	62,532	493,263
Gleichen	1,208	513	671	548	272	235	70	496	719	1,532	1,750	1,151	9,165
Halcourt	775	551	357	116	5	46	27	150	311	311	311	311	3,738
Lethbridge	47,210	16,953	22,802	14,871	9,777	12,317	8,431	26,414	36,808	55,866	68,660	29,567	349,616
Magrath	243	220	193	148	64	42	39	58	48	73	120	120	1,282
Milk River	354	198	219	238	104	128	106	257	611	1,015	772	483	4,445
Pakowski	104	50	63	31	6	24	45	86	498	912	539	423	2,781
Pembina	13,925	4,971	8,188	2,453	1,162	1,206	1,079	1,018	9,113	8,857	10,664	9,513	72,149
Redcliff	5,691	2,791	2,535	774	1,177	775	760	888	3,011	5,637	6,584	3,526	34,149
Rochester	397	212	198	16	16	16	16	16	16	16	16	16	1,467
Sheerness	11,802	4,858	7,962	6,780	5,777	6,629	3,636	6,790	4,132	8,349	14,003	10,306	91,024
Taber	2,062	782	892	3,944	2,78	285	285	598	598	3,001	3,535	3,535	14,689
Tofield	10,320	5,323	3,368	5,028	3,723	3,300	2,821	2,352	3,594	6,086	8,625	4,686	59,426
Wetaskiwin	452	292	229	161	69	6	43	120	120	10	319	336	728
No Area										261	605	621	67
Total	442,160	159,090	195,922	119,761	65,221	61,568	48,584	125,467	210,655	405,972	499,994	313,518	2,647,912

Total output of SUB-BITUMINOUS COAL by areas during each month:

Coalspur	36,461	53,707	40,961	28,580	24,391	23,736	21,432	5,948	34,735	43,825	57,862	41,798	413,486
Pekisko	495	400	339	137	163	133	198	632	431	314	632	464	4,298
Pincher	195	166	116	15	6	5	10	105	125	322	247	1,405	1,405
Prairie Creek	8,980	7,881	8,108	5,838	5,536	4,865	4,181	10,661	13,831	17,182	17,327	110,192	110,192
Saunders	5,771	2,240	1,521	468	539	1,486	803	2,097	4,856	5,410	7,077	4,787	37,055
Total	69,108	47,148	51,045	35,116	30,644	30,226	26,619	14,489	50,838	63,505	83,075	64,623	566,436

## Total output of BITUMINOUS COAL by areas during each month:

Cascade .....	18,063	8,895	10,276	12,114	11,298	9,882	11,396	12,367	12,813	16,313	15,749	13,759	152,925
Crownest .....	82,323	78,752	101,347	113,372	102,680	98,574	126,299	146,789	127,429	109,048	122,594	88,197	1,297,404
Mountain Park .....	64,131	55,933	57,175	53,359	47,186	44,778	37,571	40,073	62,518	52,985	64,987	61,960	651,238
Nordegg .....	14,272	13,128	13,354	8,969	8,592	7,617	7,411	8,736	13,068	17,191	17,998	16,692	147,028
<b>Total</b> .....	<b>178,789</b>	<b>156,256</b>	<b>182,070</b>	<b>187,814</b>	<b>169,736</b>	<b>160,851</b>	<b>182,863</b>	<b>207,965</b>	<b>215,828</b>	<b>205,437</b>	<b>220,408</b>	<b>180,608</b>	<b>2,248,625</b>

## Total output of COAL, COKE AND BRIQUETTES during the year:

Coal .....	690,057	362,494	429,037	342,690	265,601	252,645	258,066	347,921	477,321	674,914	803,478	558,749	5,462,973
Coke .....	4,832	4,217	4,735	4,587	5,027	5,138	5,176	5,391	5,685	4,763	5,249	5,973	59,703
Briquettes .....	2,021	1,574	1,472	4,963	218	160	683	1,329	1,790	1,898	1,883	2,396	15,906
<b>Total</b> .....	<b>696,900</b>	<b>362,494</b>	<b>429,037</b>	<b>342,690</b>	<b>265,601</b>	<b>252,645</b>	<b>258,066</b>	<b>347,921</b>	<b>477,321</b>	<b>674,914</b>	<b>803,478</b>	<b>558,749</b>	<b>5,462,973</b>

## Total Sales of SUB-BITUMINOUS COAL for consumption by Railroad Companies:

Coalspur .....	19,739	11,848	21,243	18,662	18,098	19,586	9,303	18,682	21,079	28,868	20,357	214,485	
Prairie Creek .....	5,501	6,409	6,405	5,430	5,253	4,531	3,844	3,871	7,492	8,528	11,835	11,907	
<b>Total</b> .....	<b>25,240</b>	<b>25,257</b>	<b>27,648</b>	<b>24,092</b>	<b>23,351</b>	<b>24,097</b>	<b>13,147</b>	<b>3,871</b>	<b>26,174</b>	<b>29,607</b>	<b>40,703</b>	<b>32,264</b>	<b>295,451</b>

## Total Sales of BITUMINOUS COAL for consumption by Railroad Companies:

Cascade .....	9,686	4,334	5,873	9,616	8,625	8,741	9,576	9,212	8,723	10,429	8,206	6,549	99,570
Crownest .....	46,539	46,779	67,688	86,154	74,902	71,095	102,291	121,163	90,487	72,724	75,748	49,709	905,279
Mountain Park .....	47,209	46,431	46,915	42,984	38,773	33,628	27,750	30,904	53,938	53,043	53,845	51,222	526,642
Nordegg .....	12,707	12,327	12,451	8,298	8,060	7,106	6,434	6,896	12,046	15,732	16,246	15,310	133,613
<b>Total</b> .....	<b>116,141</b>	<b>109,871</b>	<b>132,927</b>	<b>147,052</b>	<b>130,360</b>	<b>120,570</b>	<b>146,051</b>	<b>168,175</b>	<b>165,194</b>	<b>151,928</b>	<b>154,045</b>	<b>122,790</b>	<b>1,665,104</b>
<b>Grand Total</b> .....	<b>141,381</b>	<b>135,128</b>	<b>160,575</b>	<b>171,144</b>	<b>153,711</b>	<b>144,667</b>	<b>159,198</b>	<b>172,046</b>	<b>191,368</b>	<b>181,535</b>	<b>194,748</b>	<b>155,054</b>	<b>1,960,555</b>

## THE MINES BRANCH

Total amount of Domestic Coal disposed of by areas during each month for consumption in Alberta:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	
													LUMP	COAL
Ardley	1,044	354	480	106	164	4	66	200	635	631	1,220	570	5,474	
Big Valley	175	60	115	45	45	160	115	323	7	90	117	95	749	
Brooks	724	387	472	314	149	291	590	925	972	1,658	1,172	997	7,443	
Calmar	1,202	1,403	970	331	2,422	1,243	359	947	1,277	4,135	2,792	4,755	20,993	
Carbon	3,548	1,613	2,422	479	378	359	107	106	179	332	6,163	3,622	27,245	
Castor	4,607	1,006	581	389	129	107	106	107	179	332	4,453	2,705	1,619	10,519
Champion	1,707	1,066	1,066	1,066	1,066	1,066	1,066	1,066	1,066	1,066	1,066	1,066	1,066	15,490
Drumheller	1,759	874	1,214	566	458	355	355	355	355	355	2,439	1,343	1,321	112,577
Edmonton	19,182	4,724	5,823	5,841	2,650	2,247	1,711	7,615	10,146	16,961	23,257	12,420	112,577	
Gleichen	31,092	11,076	13,952	6,816	2,796	1,192	1,300	3,217	8,307	16,431	25,506	18,020	139,705	
Halcyon	68	36	35	35	35	12	5	5	5	5	5	5	5	452
Lethbridge	395	389	196	44	44	12	5	5	5	5	5	5	5	2,380
Magrath	9,945	3,796	5,416	3,671	2,416	1,311	1,281	3,969	7,986	12,157	13,654	6,946	72,548	
Milk River	18	14	36	33	13	17	25	40	101	257	102	87	4	443
Patowki	17	9	21	17	5	14	5	12	111	383	311	292	1,197	
Penhold	3,040	942	873	247	20	33	4	86	1,351	1,350	2,078	1,445	11,469	
Redcliff	817	473	502	12	8	8	8	8	162	1,045	1,017	347	4,389	
Rochester	4	123	111	111	111	111	111	111	111	111	111	111	111	485
Sheerness	918	361	468	462	116	291	73	248	335	1,420	2,858	680	8,230	
Taber	1,260	394	481	404	212	166	191	291	1,016	1,662	1,509	1,017	8,603	
Tofield	1,976	529	459	583	242	242	232	232	218	934	1,459	1,001	8,003	
Wetaskiwin	245	80	88	14	14	3	3	3	3	3	3	3	3	189
Whitecourt														839
No Area														
Total	82,551	28,428	34,973	22,480	10,341	6,930	6,354	19,170	35,855	66,286	91,216	55,182	459,726	

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## MINES-RUN COAL

## THE MINES BRANCH

## NUT COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	691	365	334	271	152	132	...	273	413	408	551	318	3,908
Big Valley	30	15	20	10	...	...	...	...	3	15	25	30	158
Brooks	2	...	...	...	...	...	...	...	...	...	...	...	2
Camrose	3,086	1,214	1,930	1,155	400	368	306	512	1,341	3,157	2,093	17,403	
Carbon	2,684	1,665	2,529	1,749	824	601	447	1,429	1,826	4,108	4,026	2,308	24,196
Castor	77	62	52	63	50	23	12	27	49	117	249	149	930
Champion	484	208	259	301	207	163	137	297	451	716	666	479	4,348
Drumheller	25,067	11,069	16,078	12,423	6,490	4,231	3,000	5,506	9,593	17,452	22,495	17,174	150,678
Gleichen	5,132	2,366	2,989	1,182	878	1,011	655	1,556	2,258	3,253	3,575	1,994	26,849
Lethbridge	900	356	627	337	104	38	34	42	310	628	757	414	4,20
Milk River	72	33	17	8	...	...	...	15	168	354	125	104	4,547
Pembina	186	100	247	166	32	...	...	...	36	253	32	1,052	...
Redcliff	353	67	59	27	30	19	14	59	87	305	151	90	1,261
Sheerness	849	...	...	...	...	...	...	...	...	...	27	27	876
Taber	173	101	109	49	...	...	3	...	4	34	90	81	210
Wetaskiwin	...	...	...	...	...	...	11	...	...	...	199	128	796
No Area	...	...	...	...	...	...	...	...	...	...	...	...	11
Magrath	...	...	...	...	...	...	...	...	...	...	...	86	86
Rochester	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	48,619	19,839	28,538	20,575	10,495	8,108	5,487	12,507	20,787	35,732	44,254	31,195	285,686

## SLACK COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	579	466	359	185	164	184	33	179	2	66	385	646	3,746
Brooks	15	13	29	4	1	1	2	4	16	4	16	5	1,105
Camrose	733	477	705	455	229	272	7	463	381	684	663	663	5,069
Carbon	2,200	1,610	699	543	79	197	909	238	216	434	930	1,324	9,379
Drumheller	9,822	2,214	3,002	2,934	3,325	4,450	2,101	3,709	8,113	9,070	6,344	5,979	40,004
Edmonton	19,131	8,820	10,921	7,020	3,855	2,761	2,113	2,951	6,873	12,009	17,596	14,004	108,054
Halcourt	39	37	1537	8	16	...	...	3	8	25	32	32	168
Lethbridge	3,465	825	1,537	2,301	1,448	1,254	1,335	3,246	1,622	3,893	4,840	5,967	31,733
Pembina	1,592	621	734	364	40	105	71	67	483	1,089	1,799	1,215	8,90
Redcliff	4	51	15	3	...	...	...	...	...	62	...	66	...
Rochester	...	...	...	...	...	...	...	...	...	56	49	189	...
Sheerness	44	1	142	194	1	...	...	...	33	38	4	...	214
Taber	...	...	...	...	...	...	...	...	7	3	...	...	396
Tofield	...	...	...	...	...	...	...	...	164	57	10	10	314
Wetaskiwin	...	...	...	...	...	...	...	...	...	55	62	234	...
No Area	23	46	32	15	...	...	...	...	...	1	...	...	...
Total	37,608	15,145	18,183	15,995	8,906	8,100	8,919	8,877	13,643	26,478	35,726	30,181	227,761

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Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Alberta:

## LUMP COAL

	LUMP COAL					
Coalspur .....	1,089	308	2,292	641	387	31
65	28	51	32	9	4	67
Pincer Creek .....	368	140	612	34	42	31
Saunders .....	236	..	32	91	..	42
Total .....	1,758	476	2,387	798	438	77
						225
						720
						1,485
						2,411
						2,033
						1,806
						15,214

## MINE-RUN COAL

	MINE-RUN COAL					
Coalspur .....	292	98	132	100	72	86
323	290	231	168	128	193	67
Petisko .....	445	21	48	14	45	17
Pincer Creek .....	139	11	70	16	78	36
Saunders .....	123	82	76	13	..	..
Total .....	999	535	568	392	270	337
						313
						805
						717
						661
						1,063
						745
						7,405

## NUT COAL

	NUT COAL					
Coalspur .....	1,282	439	205	132	501	359
59	59	10	46	2	1	75
Pincer Creek .....	38	37	35	..	..	406
Saunders .....	182	108	261	..	179	638
Total .....	1,587	643	511	178	680	999
						136
						599
						425
						1,129
						1,444
						1,377
						9,708

## SLACK COAL

	SLACK COAL					
Coalspur .....	2,382	198	616	225	69	236
233	233	263	34	32	31	200
Pincer Creek .....	579	..	..	..	..	1,091
Saunders .....	..	..	..	..	..	..
Total .....	2,961	431	879	259	101	31
						236
						332
						1,438
						2,430
						2,637
						828
						12,563

## THE MINES BRANCH

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Alberta:

## LUMP COAL

Areas		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	298	151	114	63	127	22	...	45	148	255	259	110	1,652	
Crowsnest	454	215	46	144	125	51	...	61	250	221	552	588	2,723	
Mountain Park	215	106	138	117	66	54	126	61	76	166	143	125	1,393	
Total	967	472	298	324	318	127	142	167	474	642	954	883	5,768	

## MINE-RUN COAL

Cascade	46	2,304	1,659	967	869	596	51	33	46	90	2,406	2,406	2,761	2,761	46
Crownest	1,568	2,304	1,659	967	869	596	51	33	1,563	2,406	2,406	2,761	2,761	2,193	22,161
Mountain Park	281	504	412	260	187	7	7	7	306	433	407	407	376	376	3,845
Nordeg	852	256	198	156	64	63	63	63	416	509	279	279	162	162	4,140
Total	5,013	2,331	3,006	2,227	1,291	1,119	1,233	2,445	2,331	3,438	3,447	3,447	2,777	2,777	30,458

NIT COAL

ST ANDREW

Total amount of Domestic Coal disposed of by areas during each month for consumption in British Columbia:  
Tons, short.

## MINERUN COAL

Drumheller	63	31	198	64	105	461
Total	63	31	198	64	105	461

UNIT COAL

Carbon	34
Canrose	35
Drumheller	36
Edmonton	37
Lethbridge	38
Pembina	39
Total	34
	35
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STACK COAL

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in British Columbia:

LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	2,711	413	930	466	314	35	448	206	1,253	2,748	3,119	2,232	14,875
Prairie Creek	642	132	159	53	21	15	149	232	512	777	358	33	2,990
Saunders	30	...	69	...	...	...	30	200	64	...	...	...	476

Total	3,383	545	1,158	519	335	50	478	355	1,685	3,324	3,919	2,590	18,341
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MINE-RUN COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	1,102	31	...	...	...	32	33	163	68	66	...	...	1,495
Prairie Creek	...	...	...	...	...	...	...	31	...	46	34	...	140
Saunders	...	...	...	...	...	...	...	...	...	...	...	...	34

Total	1,102	31	...	...	...	32	33	194	68	112	34	...	63
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NUT COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	3,019	783	2,517	759	503	190	576	669	1,309	2,745	2,442	1,819	17,331
Prairie Creek	408	97	160	10	9	17	112	300	541	460	368	2,482	...
Saunders	30	...	139	...	...	31	...	...	...	12	33	33	245

Total	3,457	880	2,816	769	512	238	576	781	1,609	3,286	2,914	2,220	20,058
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SLACK COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	39	...	...	...	...	16	...	...	...	5	...	50	32
Prairie Creek	...	...	...	...	...	...	...	...	...	...	...	1	137
Saunders	...	...	...	...	...	...	...	...	...	...	...	8	14

Total	39	...	...	...	...	16	...	...	...	5	...	51	40
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Total	39	...	...	...	...	16	...	...	...	5	...	51	40
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Total amount of Bituminous Coal disposed of by areas during each month for consumption in British Columbia:

LUMP COAL									
Cascade	.....	.....	.....	.....	.....	.....	.....	38	6
Crowsnest	.....	.....	.....	.....	.....	.....	103	287	158
Mountain Park	.....	33	.....	.....	.....	.....	.....	331	44
 Total									
	90	33	.....	.....	.....	.....	103	369	1,046
MINE-RUN COAL									
Cascade	.....	33	.....	.....	34	33	34	44	278
Crowsnest	.....	33	.....	.....	33	97	451	372	1,682
Mountain Park	.....	.....	.....	.....	.....	.....	.....	579	33
 Total									
	67	33	.....	67	130	193	485	291	2,539
NUT COAL									
Cascade	.....	161	85	44	.....	.....	137	87	643
Crowsnest	.....	80	35	.....	.....	.....	367	76	2,334
Mountain Park	.....	68	.....	.....	.....	.....	.....	.....	173
 Total									
	153	241	120	44	.....	.....	504	163	2,977
SLACK COAL									
Crowsnest	.....	8,356	8,508	6,610	6,722	7,880	7,776	9,571	8,969
Mountain Park	.....	.....	.....	.....	.....	.....	.....	.....	3,767
 Total									
	5,005	8,356	8,508	6,610	6,722	7,880	7,776	9,571	8,650

## THE MINES BRANCH

Total amount of Domestic Coal disposed of by areas during each month for consumption in Saskatchewan:

## LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Archie	524	66	164	192	228	65	135	205	701	365	235	2,945	
Brooks	.....	.....	300	32	33	67	101	60	124	128	178	490	
Carman	104	194	262	419	154	71	4,370	822	932	426	426	2,824	
Carbon	778	25,678	30,381	14,529	4,226	7,022	26,060	42,023	916	2,029	1,810	8,617	
Drumheller	.....	.....	.....	.....	.....	.....	.....	96,189	98,689	57,694	490,417		
Edmonton	.....	.....	.....	.....	.....	.....	.....	1,453	1,671	1,077	1,077		
Lethbridge	428	93	386	826	198	837	97	122	629	21,099	7,299	104,412	
Levitt	5,421	6,333	3,454	1,791	3,092	1,496	9,891	11,000	17,965	21,099	7,299		
MacLennan	15,571	5,221	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227		
Manitowich	135	526	674	544	66	66	66	66	66	66	66		
Pembina	1,251	1,506	1,187	544	1,139	31	31	31	31	31	31		
Redcliff	3,048	62	99	98	163	65	65	65	65	65	65		
Sheerness	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
Taber	261	164	164	163	163	163	163	163	163	163	163		
Tofield	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
<b>Total</b>	<b>105,148</b>	<b>33,747</b>	<b>41,676</b>	<b>20,032</b>	<b>7,752</b>	<b>11,349</b>	<b>6,192</b>	<b>37,435</b>	<b>56,404</b>	<b>125,153</b>	<b>130,076</b>	<b>70,267</b>	<b>645,231</b>

## MINE-RUN COAL

Carman	205	134	75	33	31	.....	34	32	143	101	66	951	
Carson	596	.....	755	36	724	394	92	305	1,548	92	37	38	
Drumheller	853	657	1,172	676	676	130	130	130	130	107	1,523	330	
Pembina	507	614	228	329	355	287	186	383	724	89	584	558	
Redcliff	2,108	1,174	2,106	3,361	3,161	4,578	3,170	4,098	1,704	609	563	962	
Sheerness	.....	1,015	1,184	1,061	1,820	1,820	1,299	1,299	1,299	1,166	1,053	1,194	4,357
Tofield	1,194	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	690	27,953
<b>Total</b>	<b>5,463</b>	<b>3,594</b>	<b>5,520</b>	<b>6,820</b>	<b>5,761</b>	<b>6,907</b>	<b>4,994</b>	<b>7,587</b>	<b>3,829</b>	<b>2,543</b>	<b>4,836</b>	<b>2,908</b>	<b>60,762</b>

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## NUT COAL

## SLACK COAL

## THE MINES BRANCH

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Saskatchewan:

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Saskatchewan:

## LUMP COAL

Cascade	33	83	101	...	...	130	315	119	68	220
Crowsnest	529	113	33	34	...	34	576	484	232	2,563
Mountain Park									46	147
Total	562	113	116	135	...	34	130	695	484	2,930

## MINE-RUN COAL

Cascade	2,073	909	819	364	147	164	205	875	1,495	1,492
Crowsnest	127	...	33	...	...	34	33	101	68	68
Mountain Park								813	...	...
Nordegg									...	...
Total	2,200	909	852	364	147	198	238	1,789	1,563	1,560

## NUT COAL

Cascade	99	34	34	17	41	33	239	79	377	244
Crowsnest	361	81	82	70	49	114	318	345	563	563
Mountain Park									247	247
Nordegg									2,278	2,278
Total	460	115	82	70	34	66	89	147	557	424

## SLACK COAL

Cascade	45	34	34	49	25	100	138	169	219	813
Crowsnest	2,711	2,721	2,637	2,532	2,330	2,536	2,562	3,335	3,777	4,068
Mountain Park	68	...	33	34	33	...	47	67	78	36,687
Nordegg							171	115	865	440
Total	4,258	2,884	2,755	2,704	2,665	2,363	2,561	2,562	3,653	4,097

Total amount of Domestic Coal disposed of by areas during each month for consumption in Manitoba:

## LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Camrose	39	348	497	206	33	116	155	33	67	35	66	65	609
Carbon	1,384	6,260	6,768	810	931	167	103	205	435	780	958	803	5,952
Drumheller	24,016	124	527	127	1,086	600	618	3,830	8,984	18,532	27,479	17,382	116,210
Edmonton	481	34	32	32	.....	.....	.....	531	767	127	131	886	504
Lethbridge	1,069	66	103	132	66	594	594	981	981	981	981	1,267	696
Pembina	400	239	65	.....	66	.....	.....	156	.....	325	261	117	9,725
Redcliff	33	.....	.....	.....	.....	.....	.....	.....	.....	325	419	355	1,138
Sheerness	.....	.....	.....	.....	.....	.....	.....	.....	879	879	879	2,501	4,138
Tofield	.....	.....	.....	.....	.....	.....	.....	.....	.....	32	64	.....	96
Total	27,601	7,029	7,895	1,241	2,690	2,909	1,407	4,835	10,744	21,440	31,400	22,423	141,614

## MINE-RUN COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Drumheller	232	33	95	32	106	32	308	223	128	266	141	161	1,536
Pembina	63	.....	.....	.....	.....	.....	60	180	.....	.....	161	.....	224
Redcliff	.....	.....	.....	.....	.....	.....	954	229	157	.....	.....	1,241	240
Sheerness	5,120	2,802	952	2,198	1,381	988	988	966	966	1,193	2,089	1,241	2,246
Tofield	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,542	1,542	19,566
Total	5,415	2,835	1,047	2,230	1,487	1,020	1,322	632	1,251	1,459	3,632	1,542	23,872

## NUT COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Camrose	.....	.....	33	.....	.....	.....	.....	212	72	272	531	71	305
Carbon	218	1,214	1,577	181	163	196	67	512	2,394	4,393	7,888	4,133	1,449
Drumheller	6,840	.....	.....	.....	.....	.....	.....	97	101	183	183	42	29,558
Edmonton	34	128	69	257	203	203	191	315	161	836	273	452	342
Lethbridge	851	235	2,041	517	.....	.....	.....	.....	.....	2,955	2,636	2,821	9,137
Pembina	267	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sheerness	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	8,210	1,577	4,109	698	163	399	67	915	2,951	6,062	11,758	7,155	44,064

SLACK COAL						
Carbon	682	597	185	45	51	244
Drumheller	732	1,042	741	155	471	1,151
Lethbridge	.....	.....	.....	32	92	6,296
Pembina	.....	.....	.....	.....	33	2,147
Torfield	.....	.....	.....	.....	.....	33
Total	6,217	1,329	1,227	881	200	603
						659
						1,151
						8,720
						4,161
						25,180

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Manitoba

LUMP COAL

LUMP COAL						
Coalspur	4,785	2,217	1,030	165	96	793
Prairie Creek	308	32	184	62	31	124
Saunders	1,135	199	.....	.....	65	176
Total	6,228	2,448	1,214	227	97	220
					858	1,593
						2,537
						2,657
						5,318
						4,491
						27,888

MINE-RUN COAL

MINE-RUN COAL						
Coalspur	34	43	.....	.....	.....	.....
Prairie Creek	.....	.....	.....	.....	213	45
Saunders	.....	.....	.....	.....	.....	65
Total	34	43	.....	.....	.....	213
			.....	.....	.....	45
			.....	.....	.....	65
			.....	.....	.....	248
			.....	.....	.....	263
			.....	.....	.....	911

NUT COAL

NUT COAL						
Coalspur	4,376	2,615	2,178	1,447	456	62
Prairie Creek	129	32	.....	.....	74	289
Saunders	381	224	73	.....	.....	1,470
Total	4,886	2,871	2,251	1,447	456	62
					140	474
						2,227
						1,959
						4,248
						3,667
						24,688

## THE MINES BRANCH

## SLACK COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	1,109	751	916	145	.....	.....	.....	399	972	1,796	1,956	2,456	10,500
Prairie Creek	40	33	33	.....	.....	.....	.....	274	377	510	732	733	2,699
Saunders	317	309	33	.....	.....	.....	.....	74	218	384	584	204	2,123
Total	1,466	1,093	949	145	.....	.....	.....	747	1,567	2,690	3,272	3,993	15,322

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Manitoba:

## LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	106	47	47	.....	.....	46	.....	.....	80	101	68	170	93
Crowsnest	193	96	.....	.....	.....	66	.....	80	.....	34	68	61	543
Mountain Park	.....	.....	.....	.....	.....	.....	.....	33	.....	.....	.....	.....	666
Total	299	143	47	.....	.....	112	.....	113	181	102	238	154	1,389

## MINE-RUN COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	521	244	366	202	33	48	307	389	477	502	478	3,567	3,567
Crowsnest	1,214	438	580	217	67	1,172	388	130	614	79	1,598	1,102	7,599
Mountain Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	1,735	682	946	419	100	1,172	436	437	1,003	556	2,100	1,580	11,166

## NUT COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	1,289	519	587	213	215	113	90	77	218	531	1,134	1,047	6,033
Crowsnest	183	118	103	129	240	389	225	237	272	299	277	118	2,590
Total	1,472	637	690	342	455	502	315	314	490	830	1,411	1,165	8,623

Total amount of Domestic Coal disposed of by areas during each month for consumption in Ontario

LUMP COAL							
Edmonton	39					33	33
Carbon	6,399	3,314	1,046	358	99	5,655	5,144
Brunheller	193	110	42	44	32	252	29,546
Athabasca					182	232	33
Embina					634	69	156
Total	6,631	3,314	1,156	400	143	816	2,470
						5,774	4,829
						5,210	31,027

NIT COAT

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Ontario:

LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	1,514	206	31	141	.....	.....	270	497	1,376	1,774	2,525	1,882	12,674
Prairie Creek .....	357	32	32	30	65	.....	170	95	700	965	844	1,119	4,410
Saunders .....	484	175	32	30	65	.....	139	605	605	602	525	584	4,299
<b>Total</b> .....	<b>3,644</b>	<b>2,355</b>	<b>413</b>	<b>63</b>	<b>171</b>	<b>65</b>	<b>440</b>	<b>731</b>	<b>2,681</b>	<b>3,341</b>	<b>3,894</b>	<b>3,585</b>	<b>21,383</b>

MINE-RUN COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Saunders .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32	.....	32
<b>Total</b> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32	.....	32

NUT COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	334	249	77	.....	.....	40	.....	110	225	466	236	39	1,776
Prairie Creek .....	110	.....	.....	.....	.....	.....	.....	31	62	20	64	37	183
Saunders .....	134	.....	.....	.....	.....	.....	.....	.....	131	196	67	.....	669
<b>Total</b> .....	<b>468</b>	<b>359</b>	<b>77</b>	<b>.....</b>	<b>40</b>	<b>.....</b>	<b>141</b>	<b>418</b>	<b>682</b>	<b>367</b>	<b>76</b>	<b>.....</b>	<b>2,628</b>

SLACK COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	.....	4	.....	.....	.....	.....	.....	.....	49	117	43	.....	164
Prairie Creek .....	.....	4	.....	.....	.....	.....	.....	.....	49	117	43	.....	49
<b>Total</b> .....	.....	4	.....	.....	.....	.....	.....	.....	49	117	43	.....	213

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Ontario:

LUMP COAL						
Cascade .....	.....	49	.....	.....	.....	.....
Crowsnest .....	.....	.....	.....	.....	.....	.....
Total .....	.....	49	.....	.....	.....	.....

MINE-RUN COAL						
NUT COAL						
Crowsnest .....	35	67	34	48	96	.....
Total .....	.....	.....	.....	.....	.....	117

SLACK COAL						
Crowsnest .....	435	245	195	245	98	.....
Total .....	.....	.....	.....	.....	146	342

Total amount of Domestic Coal disposed of by areas during each month for consumption in United States:

LUMP COAL						
Drumheller .....	105	32	74	42	.....	.....
Lethbridge .....	1,346	232	335	68	.....	.....
Taber .....	.....	.....	.....	.....	34	165
Redcliff .....	.....	.....	.....	.....	49	126
Total .....	1,451	264	409	110	.....	.....
					83	126

NUT COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Drumheller	372	32	65	.....	.....	.....	.....	74	278	588	257	1,699	
Calderbridge	587	103	133	33	.....	.....	.....	436	431	1,168	684	3,654	
Total .....	959	.....	135	198	33	.....	.....	112	510	709	1,756	941	5,353

STACK COAT.

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in the United States:

NUT COAL

LIMB COAT

Total amount of Bituminous Coal disposed of by areas during each month for consumption in the United States:

## LLUMP COAL

Amount of Domestic Coal used under Colliery Boilers by areas during each month:

Amount of Sub-Bituminous Coal used under Colliery Boilers by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	2,179	1,544	1,786	1,447	1,605	1,188	1,314	1,080	1,636	1,744	1,811	1,579	18,913
Pekisko	10	8	5	6	5	5	5	10	7	6	8	10	93
Pincher	5	5	307	29	195	227	225	233	285	446	10	8	32
Prairie Creek	450	259	275	144	136	233	173	259	497	563	533	557	3,966
Saunders	600	327									719	560	4,486
Total	3,244	2,143	2,376	1,830	1,941	1,653	1,717	1,602	2,425	2,759	3,031	2,714	27,485

Amount of Bituminous Coal used under Colliery Boilers by areas during each month:

Cascade	1,877	1,204	1,225	1,300	1,180	887	1,029	1,288	1,158	1,361	1,404	1,458	15,371
Crowsnest	3,714	2,671	3,743	3,103	2,544	2,313	2,468	2,020	1,481	1,864	2,135	2,301	30,357
Mountain Park	3,282	2,374	2,735	2,686	2,550	2,612	2,596	2,487	2,705	3,018	2,928	3,258	33,231
Nordegg	713	545	584	511	468	448	398	588	473	577	630	584	6,519
Total	9,586	6,734	8,287	7,600	6,742	6,260	6,491	6,383	5,817	6,820	7,097	7,601	85,478
Grand Total	20,954	14,932	16,101	11,684	10,361	9,593	9,676	10,201	12,452	15,202	16,304	15,727	163,197

Amount of Domestic Coal used by Colliery Railroads by areas during each month:

Leftbridge	25	13	7	6	6	6	6	24	28	45	45	184	338
Pennina	60	20	40	14	14	28	28	35	40	45	45	45	330
Redcliff	64	64	48					36	96	87	95	95	754
Total	255	97	95	20	34	.....	54	95	164	177	324	107	1,422
Coalspur	536	496	545	429	402	433	389	180	430	508	563	441	5,352

Amount of Bituminous Coal used by Colliery Railroads by areas during each month:

--

## Amount of Bituminous Coal used making Briquettes:

Amount of Bituminous Coal used making Coke

Amount of Sub-Bituminous Coal Put to Stock by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	100	200	300	...	11	...	...	100	80	...	558	...	1,349
Petisko .....	69	69	18	...	...	...	...	...	...	...	...	...	69
Pincher .....	20	...	...	...	...	...	75	...	20	...	25	...	38
Prairie Creek .....	...	...	...	...	...	116	...	201	...	171	...	60	150
Saunders .....	...	...	...	...	...	...	...	...	...	...	...	548	548
<b>Total</b> .....	<b>120</b>	<b>287</b>	<b>300</b>	...	<b>11</b>	<b>116</b>	<b>75</b>	<b>301</b>	<b>100</b>	<b>171</b>	<b>583</b>	<b>90</b>	<b>2,154</b>

Amount of Bituminous Coal Put to Stock by areas during each month:

Cascade .....	447	553	748	394	987	165	236	187	255	409	334	443	5,158
Crownnest .....	3,158	1,373	1,387	511	1,979	3,043	1,099	73	3,373	230	4,445	3,309	24,180
Nordegg .....	...	...	...	4	...	...	...	...	...	258	2	...	385
<b>Total</b> .....	<b>1,820</b>	<b>3,711</b>	<b>2,456</b>	<b>909</b>	<b>2,966</b>	<b>3,208</b>	<b>1,336</b>	<b>260</b>	<b>3,628</b>	<b>897</b>	<b>4,781</b>	<b>3,752</b>	<b>29,723</b>
<b>Grand Total</b> .....	<b>5,150</b>	<b>5,265</b>	<b>3,300</b>	<b>1,556</b>	<b>3,501</b>	<b>3,590</b>	<b>1,809</b>	<b>1,603</b>	<b>8,260</b>	<b>11,100</b>	<b>17,641</b>	<b>6,093</b>	<b>68,868</b>

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**Amount of Domestic Coal Put to Waste by areas during each month:**

Ardley	33	8	26	11	9	1	225	325	325	1	4	20	2	41
Big Valley	27	21	47	16	17	17	9	160	453	44	520	584	106	4
Cairnrose	4	4	36	32	34	34	9	21	46	46	52	52	25	1,831
Carbon	188	188	133	86	46	21	21	150	313	313	283	476	128	1,350
Castor	295	40	71	72	43	33	35	71	90	140	128	128	124	2,058
Champion	62	164	34	75	4	5	5	200	100	900	100	1,500	1,500	909
Drunheller														2,974
Edmonton														71
Halcourt														778
Lethbridge	135	69	50	60	20	71	47	64	80	105	92	125	125	918
Milk River	3	3	8	7	3	4	5	8	20	51	20	17	17	149
Pakowki	3													262
Pembina	649	194	333	21	2	2								2,376
Redcliff														10
Rochester														32
Sheerness														96
Taper	371	239	53	46	66	48	25	42	59	213	451	297	297	1,901
Tofield	167	113	102	70	51	47	53	111	229	380	373	237	237	1,933
Wetaskiwin	78	31	40	20	10	10	10	22	22	50	50	100	100	607
Whitecourt														2
No Area														4
Total	22,219	1,189	946	548	288	257	430	1,050	1,692	3,231	4,332	2,028	2,028	18,210

**Amount of Sub-Bituminous Coal Put to Waste by areas during each month:**

Coalspur	5,674	5,645	5,347	4,045	2,000	2,000	7,595	39	3,002	2,803	3,049	2,079	25	43,278
Petisko														166
Pincher Creek	20	35	41	55	11	6			25	40	60	20	30	237
Total	5,694	5,700	5,443	4,056	2,006	2,000	7,595	39	3,027	2,878	3,129	2,134	20	43,701

**Amount of Bituminous Coal Put to Waste by areas during each month:**

Cascade	10	10	5	5	10	10	1,942	2,640	2,648	10	20	15	15	95
Crownest	1,967	2,619	2,616	2,851	2,691	3,185	1,942	2,640	2,638	715	2,914	1,230	1,230	28,008
Total	1,977	2,629	2,621	2,856	2,701	3,185	1,942	2,640	2,648	725	2,934	1,245	1,245	28,103

## THE MINES BRANCH

Amounted of Domestic Coal Lifted from Stock by areas during each month:

Amount of Sub-Bituminous Coal Lifted from Stock by areas during each month:

Palspur	114	282	173	31	158	1,008
Peckisko	100	10	250	...	...	110
Prairie Creek	...	30	...	...	...	220
Wunders	...	45	75	30	40	317
Total	214	322	295	364	30	158
					31	1,655
					40	

Amount of Bituminous Coal Lifted from Stock by areas during each month:

SCHOOL DISTRICT OF THE CITY OF PORTLAND										GENERAL INFORMATION	
NAME OF SCHOOL		ADDRESS		TELEGRAM ADDRESS		TELEPHONE NUMBER		TELETYPE NUMBER		TELETYPE NUMBER	
Cascade	.....	397	447	553	748	394	986	165	236	187	334
Ownest	.....	3,770	1,363	1,072	1,894	1,564	1,852	3,759	6,330	67	2,408
Ordegg	.....	.....	.....	.....	.....	.....	.....	167	38	2,204	24
Total	.....	4,167	1,810	1,625	2,642	1,958	2,838	3,924	6,733	292	2,459
										663	2,821
											31,932
											5,111 26,513 308

## Amount of Domestic Coal Lifted from Waste by areas during each month:

Canrose	50	250	303	477	194	140	1414
Carbon	658	658	.....	195	55	.....	1,316
Drumheller	.....	.....	.....	.....	.....	1	250
Halcourt	.....	.....	.....	.....	.....	5	1
Edmonton	.....	.....	.....	.....	2	17	19
Lethbridge	.....	.....	122	180	120	.....	422
Sheerness	.....	.....	.....	.....	.....	.....	333
Taber	141	192	.....	.....	.....	.....	20
No Area	20	.....	.....	.....	.....	.....	.....
<b>Total</b>	<b>708</b>	<b>908</b>	<b>464</b>	<b>669</b>	<b>317</b>	<b>429</b>	<b>3,780</b>

## Amount of Sub-Bituminous Coal Lifted from Waste by areas during each month:

Coalspur	.....	.....	.....	.....	153	11	164
Crowsnest	39	47	33	33	22	13	16

## Amount of Bituminous Coal Lifted from Waste by areas during each month:

Crowsnest	39	47	33	33	22	13	16
	39	47	33	33	22	13	16

Output and Number of Mines Producing

Kind of Coal	Under 1,000 tons		1,000 to 5,000 tons		5,000 to 10,000 tons		10,000 to 50,000 tons		50,000 to 100,000 tons		100,000 to 150,000 tons		150,000 to 200,000 tons		200,000 to 300,000 tons		300,000 tons and over		Total	
	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output
Domestic	143	54,836	67	154,658	12	87,149	34	991,810	13	930,819	2	274,793	1	153,947	...	...	...	...	272,2,647,912	
Sub-Bituminous	8	2,577	1	3,126	1	9,314	5	121,468	2	142,009	2	287,912	2	345,994	2	411,308	3	985,494	19	366,436
Bituminous	4	1,564	1	3,622	...	...	...	...	1	69,004	3	431,639	2	431,639	2	431,639	2	431,639	16	2,248,625
Total	155	58,977	69	161,406	13	96,463	39	1,113,278	16	1,141,832	7	994,374	3	499,841	2	411,308	3	985,494	307	5,462,973

Number of men employed in the DOMESTIC FIELD as at December 31, 1935

Areas	UNDERGROUND		ABOVE GROUND		TOTAL
	Official	Cutters & Headers	Foremen	Other	
Ardley	13	19	5	21	79
Big Valley	5	3	2	1	14
Brooks	1	4	1	1	2
Carriole	7	79	1	9	13
Carbon	17	13	26	2	17
Castor	33	90	2	2	125
Champion	11	43	1	1	56
Dundheller	101	41	212	60	225
Edmonton	269	58	370	56	941
Gleichen	14	1	1	1	27
Halcourt	5	29	1	1	35
Lethbridge	25	36	64	29	10
Magnath	1	2	1	1	4
Milk River	2	7	1	1	9
Pakowki	6	5	7	1	13
Pennhina	29	3	18	4	67
Redcliff	2	6	31	7	51
Rochester	2	7	1	1	11
Sheerness	8	13	4	2	22
Taber	12	13	4	15	49
Tofield	2	2	1	1	6
Weiskiwin	1	2	1	1	12
Whitecourt	3	6	1	1	10
No Area	3	6	1	1	12
<b>Total</b>	<b>316</b>	<b>732</b>	<b>360</b>	<b>2,203</b>	<b>5,681</b>
	386	104	26	104	54
			98	16	157
			4,482	44	1,199
				41	412
				351	402
				119	85
				25	30
				44	25
				41	42

Number of men employed in the SUB-BITUMINOUS FIELD as at December 31, 1935

Areas	UNDERGROUND												ABOVE GROUND												TOTAL		
	Officials	Hand Cutters	Machinists	Chutes Loaders	Horse Help	H.I. Help	Mechanics	Road Markers	Timber Men	Pump Men	Other Men	Froemmen	Scrimmers	Carters	Other Men	Empl. Above	Total Above	Ground	Employees	Empl. Above	Total	Employees	Empl. Above	Total			
Coalspur .....	11	138	16	12	19	2	2	11	2	1	213	8	20	69	14	18	8	3	13	19	116	288	501	13			
Pekisko .....	4	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
Pincher .....	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
Prairie Creek .....	6	58	2	16	9	11	3	2	6	2	10	123	1	6	32	5	5	2	4	5	9	69	192	5			
Saunders .....	4	...	10	50	...	5	7	1	2	5	86	2	15	5	2	1	2	...	1	3	33	119	119	119			
Total .....	27	203	28	66	21	35	12	3	4	19	2	16	436	12	28	116	26	25	9	7	17	25	129	394	830		
BITUMINOUS																											
Cascade .....	13	108	...	...	10	124	13	28	3	6	4	2	21	198	1	8	32	7	9	3	2	21	83	281	281		
Crownest .....	69	751	...	...	23	10	29	34	100	19	28	98	9	119	1,423	2	49	116	17	19	20	15	29	148	459	1,892	
Mountain Park .....	19	267	23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	768		
Nordegg .....	7	107	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	249		
Total .....	108	1,233	23	20	153	105	173	42	53	162	17	233	2,322	18	90	243	47	52	38	29	41	43	257	858	3,180		
SUMMARY																											
Domestic .....	316	732	360	2,203	66	21	366	104	26	104	98	16	157	4,482	54	142	402	85	25	30	25	44	41	351	1,199	5,681	
Sub-Bituminous .....	27	203	28	...	203	23	153	105	173	42	53	12	4	19	2	16	436	12	28	116	26	25	9	7	17	25	394
Bituminous .....	108	1,233	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3,180	
Total .....	451	2,168	411	2,289	174	506	289	71	161	279	35	406	7,240	84	260	761	158	102	77	61	102	109	737	2,451	9,691		

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Men employed above and below ground in the DOMESTIC FIELD by areas each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Monthly Average
Ardley	75	63	44	30	26	25	24	28	38	49	71	79	46
Big Valley	113	12	10	8	3	3	3	8	8	10	13	17	13
Brooks	12	11	10	8	5	6	11	10	17	26	18	17	13
Camrose	111	95	76	55	41	40	43	51	82	118	128	125	80
Carbon	214	197	182	164	125	120	119	131	149	205	216	210	169
Castor	111	89	65	32	24	22	20	27	60	119	150	137	71
Champion	66	61	61	46	37	43	40	45	59	74	71	63	56
Drumheller	2,530	2,135	1,614	1,115	871	792	753	1,564	2,037	2,560	2,707	2,671	1,779
Edmonton	1,449	904	742	590	399	382	357	462	643	902	1,089	1,118	728
Gleichen	24	19	16	15	11	13	12	13	20	31	33	32	20
Halcourt	34	29	21	13	4	4	5	10	18	30	31	39	20
Lethbridge	1,092	963	726	500	432	404	416	470	588	737	862	715	659
Magrath	9	9	8	6	6	6	6	6	6	6	5	3	3
Milk River	11	11	9	8	8	8	10	12	26	31	25	14	14
Pakowki	14	13	14	11	9	11	13	9	20	21	18	15	14
Pembina	121	117	117	55	59	50	53	73	113	114	120	120	93
Redcliff	70	66	63	36	35	35	18	40	60	68	69	66	52
Rochester	7	7	6	2	49	51	51	58	83	82	2	3	6
Sheerness	79	77	62	61	51	49	49	58	83	117	108	95	77
Taber	57	47	40	28	21	21	23	30	51	53	62	59	43
Tofield	79	52	49	45	38	33	33	32	41	49	52	52	47
No Area	12	6	4	6	3	4	3	3	1	10	10	12	6
Wetaskiwin	.....	.....	.....	.....	.....	.....	.....	1	1	1	1	1	1
Whitecourt	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Total</b>	<b>5,990</b>	<b>4,983</b>	<b>3,946</b>	<b>2,848</b>	<b>2,220</b>	<b>2,071</b>	<b>2,020</b>	<b>3,103</b>	<b>4,122</b>	<b>5,334</b>	<b>5,874</b>	<b>5,681</b>	<b>4,023</b>

Men employed above and below ground in the SUB-BITUMINOUS FIELD by areas each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Monthly Average
Coalspur	500	457	438	408	343	328	377	388	474	511	510	501	436
Petisko	14	12	12	8	6	10	8	11	9	9	13	13	10
Pincher Creek	11	10	6	8	6	5	5	3	4	7	8	5	7
Prairie	155	144	139	124	119	113	98	129	146	163	186	192	142
Saunders	124	99	89	31	31	31	31	91	105	115	118	119	86
<b>Total</b>	<b>804</b>	<b>722</b>	<b>684</b>	<b>579</b>	<b>505</b>	<b>530</b>	<b>519</b>	<b>622</b>	<b>738</b>	<b>805</b>	<b>835</b>	<b>830</b>	<b>681</b>

## THE MINES BRANCH

Men employed above and below ground in the BITUMINOUS FIELD by areas each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Monthly Average
Cascade .....	278	278	279	279	278	277	280	280	283	287	281	281	280
Crownest .....	1,727	1,781	1,786	1,789	1,813	1,832	1,850	1,888	1,873	1,891	1,899	1,882	1,834
Mountain Park .....	739	733	727	725	721	733	721	733	726	753	761	768	737
Nordegg .....	251	249	247	249	238	236	237	238	244	251	251	249	245
Total .....	2,995	3,041	3,039	3,043	3,054	3,066	3,100	3,139	3,126	3,182	3,192	3,180	3,096

Men employed above and below ground in the DOMESTIC, SUB-BITUMINOUS AND BITUMINOUS FIELDS by areas each month:

Domestic .....	5,990	4,983	3,946	2,848	2,220	2,071	2,020	3,103	4,122	5,334	5,874	5,681	4,023
Sub-Bituminous .....	804	722	684	579	505	530	519	622	738	805	835	830	681
Bituminous .....	2,995	3,041	3,039	3,043	3,054	3,066	3,100	3,139	3,126	3,182	3,192	3,180	3,096
Total .....	9,789	8,746	7,669	6,470	5,779	5,667	5,639	6,864	7,986	9,321	9,901	9,691	7,800

## PER CAPITA PRODUCTION OF MINES IN THE PROVINCE

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1906	1,385,000	2,800	494	2,000	692
1907	1,834,745	3,600	509	2,700	679
1908	1,845,000	3,780	488	2,681	688
1909	2,174,329	5,207	417	3,893	566
1910	3,036,757	5,818	504	4,090	742
1911	1,694,564	6,689	253	4,517	375
1912	3,446,349	6,661	517	4,861	708
1913	4,306,346	8,068	533	5,837	737
1914	3,821,739	8,170	467	6,052	631
1915	3,434,891	6,445	532	4,493	764
1916	4,648,604	7,570	614	5,536	839
1917	4,863,414	8,310	595	6,047	804
1918	6,148,620	8,818	697	6,141	1,001
1919	5,022,412	7,573	663	5,150	958
1920	6,908,923	9,688	712	6,551	1,055
1921	5,937,195	10,018	592	7,203	824
1922	5,976,432	8,757	683	6,154	971
1923	6,866,923	9,927	687	7,249	893
1924	5,202,713	7,317	711	5,299	982
1925	5,883,394	8,774	670	6,498	834
1926	6,508,908	8,763	743	6,569	991
1927	6,936,780	9,016	768	6,681	970
1928	7,334,179	9,496	772	6,625	1,107
1929	7,147,250	9,572	747	7,115	1,004
1930	5,755,911	8,889	648	6,607	871
1931	4,563,309	8,070	577	5,969	701
1932	4,867,984	7,837	621	5,772	844
1933	4,714,784	8,042	586	5,937	794
1934	4,748,848	7,863	604	5,809	744
1935	5,462,973	7,800	700	5,644	969

## PER CAPITA PRODUCTION OF MINES IN THE DOMESTIC COAL FIELD.

1910	878,011	2,307	380	1,676	524
1911	964,700	3,548	271	2,488	391
1912	1,341,389	2,980	450	2,283	587
1913	1,763,225	4,017	438	2,929	601
1914	1,697,401	4,219	402	3,190	532
1915	1,682,922	3,181	529	2,210	761
1916	2,172,801	4,132	525	3,137	692
1917	2,537,829	4,701	539	3,489	727
1918	3,035,061	4,896	619	3,420	887
1919	2,611,009	4,226	617	2,953	884
1920	3,359,308	5,173	647	3,723	902
1921	2,943,141	5,601	525	4,256	691
1922	3,086,669	4,981	620	3,752	823
1923	3,161,741	4,969	636	3,765	812
1924	3,096,660	4,543	681	3,447	898
1925	3,156,359	4,874	647	3,750	808
1926	3,160,029	4,798	658	3,714	816
1927	3,357,171	4,663	720	3,603	891
1928	3,378,200	4,810	702	3,700	873
1929	3,385,749	4,944	685	3,813	880
1930	2,874,090	4,822	596	3,756	765
1931	2,245,563	4,400	510	3,419	628
1932	2,574,785	4,548	566	3,539	728
1933	2,434,047	4,490	543	3,487	698
1934	2,295,566	4,289	535	3,370	644
1935:					
Stp. Pit	130,084	96	1,355		
Below Ground	2,517,828	3,927	658	3,059	823

## THE MINES BRANCH

## PER CAPITA PRODUCTION OF MINES IN THE SUB-BITUMINOUS COAL FIELD.

Year		Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1922	Stp. Pit	367,514	217	1,692	277	648
	B. Grd.	179,550	403	445		
1923	Stp. Pit	288,467	190	1,513	260	673
	B. Grd.	174,994	354	494		
1924	Stp. Pit	369,724	211	1,752	278	799
	B. Grd.	222,222	393	565		
1925	Stp. Pit	335,993	162	2,074	326	754
	B. Grd.	245,842	461	533		
1926	Stp. Pit	258,964	147	1,761	305	758
	B. Grd.	231,407	443	545		
1927	Stp. Pit	304,584	193	1,583	321	905
	B. Grd.	290,606	478	608		
1928	Stp. Pit	394,682	179	2,205	457	756
	B. Grd.	345,810	645	536		
1929	Stp. Pit	319,764	163	1,962	402	866
	B. Grd.	348,344	585	595		
1930	Stp. Pit	304,144	157	1,937	390	767
	B. Grd.	299,187	569	526		
1931	Stp. Pit	280,251	161	1,803	336	569
	B. Grd.	191,138	486	393		
1932	Stp. Pit	348,266	177	1,868	341	619
	B. Grd.	211,213	491	430		
1933	Stp. Pit	309,365	170	1,820	370	661
	B. Grd.	244,776	516	474		
1934	Stp. Pit	302,054	158	1,912	326	722
	B. Grd.	235,488	482	489		
1935	Stp. Pit	287,970	180	1,600	337	826
	B. Grd.	278,466	501	830		

## PER CAPITA PRODUCTION OF MINES IN THE BITUMINOUS COAL FIELD.

1910		1,896,961	2,981	636	2,076	914
1911		649,745	2,645	246	1,820	357
1912		1,926,371	3,243	594	2,353	818
1913		2,374,401	3,562	666	2,645	897
1914		1,953,367	3,529	553	2,632	742
1915		1,626,237	2,921	557	2,103	773
1916		2,335,259	3,142	743	2,258	1,034
1917		2,206,868	3,335	661	2,429	909
1918		2,982,334	3,636	820	2,597	1,109
1919		2,325,787	3,118	745	2,100	1,108
1920		3,410,021	4,228	809	2,711	1,202
1921		2,897,580	4,133	701	2,820	1,026
1922		2,214,273	3,034	729	2,084	1,062
1923		3,241,614	4,345	746	3,215	1,008
1924		1,515,107	2,171	698	1,574	966
1925		2,145,200	3,277	654	2,422	885
1926		2,858,508	3,375	847	2,550	1,121
1927		2,984,419	3,682	810	2,757	1,082
1928		3,215,481	3,862	832	2,468	1,302
1929		3,093,393	3,880	797	2,898	1,077
1930		2,278,490	3,341	682	2,461	926
1931		1,846,357	3,023	611	2,214	834
1932		1,733,720	2,621	660	1,892	916
1933		1,726,596	2,876	600	2,080	830
1934		1,915,740	2,934	653	2,113	907
1935		2,248,625	3,096	726	2,248	1,000

## PER CAPITA PRODUCTION OF MINES IN THE ANTHRACITE COAL FIELD.

1910		261,785	530	493	338	774
1911		80,119	500	160	209	383
1912		178,589	438	407	225	793
1913		168,720	489	345	263	641
1914		170,971	422	405	230	743
1915		125,732	343	366	180	698
1916		140,544	296	474	141	996
1917		118,717	284	418	129	920
1918		131,225	286	458	124	1,058
1919		85,616	229	374	95	901
1920		130,594	287	455	117	1,116
1921		96,674	284	341	127	761
1922		40,417	112	361	41	986
1923		107	69	1	9	12

NOTE: The table showing the number of men employed in the Anthracite Coal Field includes employees at the briquetting plant. There has been no anthracite coal produced since 1923.

During the year 1909 a strike, affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1911 a strike, affecting all the larger mines in the Province, lasted for a period of eight months.

During the year 1917 a strike, affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1919 a strike, affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1922 a strike, affecting all the larger mines in the Province, lasted for a period of five months.

During the year 1924 a strike, affecting all the larger mines in the Province, lasted for a period of six and one-half months.

NOTE: Calculating the total per capita production for men employed underground, the tonnage mined from stripping pits was deducted and only the tonnage produced from mines was used.

It will also be noted that the tonnage used in the above and following tables does not include tonnage extracted under permit.

Per Capita Production of Mines by areas:

DOMESTIC COAL FIELD

Areas	Gross tons of coal mined	Total Average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
Ardley	25,565	46	549	36	710
Big Valley	3,494	17	206	7	499
Brooks	8,040	13	618	4	2,010
Camrose	57,466	80	718	60	958
Carbon	95,424	169	556	137	696
Castor	34,920	71	490	64	546
Champion	20,836	56	372	49	425
Drumheller	1,261,239	1,779	709	1,418	889
Edmonton	493,263	728	679	603	818
Gleichen	9,165	20	408	16	572
Halcourt	3,738	20	187	17	220
Lethbridge	349,676	659	530	461	759
Magrath	1,282	6	214	5	256
Milk River	4,485	14	320	8	561
Pakowki	2,781	14	199	12	232
Pembina	72,149	93	776	53	1,361
Redcliff	34,149	52	657	41	833
Rochester	1,467	6	244	3	489
Sheerness, stripping	74,472	56	1,330	...	...
Sheerness, underground	16,552	21	788	15	1,103
Taber	14,669	43	341	35	419
Tofield, stripping	55,612	40	1,390	...	...
Tofield, underground	3,814	7	563	4	953
Wetaskiwin	728	6	165	4	182
Whitecourt	67	1	16	2	33
No Area	2,859	6	476	5	772
Total	2,647,912	4,023	658	3,059*	823

SUB-BITUMINOUS COAL FIELD

Coalspur, stripping	287,970	180	1,600	...	...
Coalspur, underground	125,516	256	490	169	743
Pekisko	4,298	10	429	8	537
Pincher	1,405	7	201	5	281
Prairie Creek	110,192	142	776	94	1,172
Saunders	37,055	86	431	61	607
Total	566,436	681	830	337*	826

\*This figure arrived at by deducting the tonnage from stripping pits from gross tonnage mined and dividing the product by the number of men employed underground.

BITUMINOUS COAL FIELD

Cascade	152,925	280	546	195	784
Crowsnest	1,297,404	1,834	707	1,391	933
Mountain Park	651,268	737	884	498	1,308
Nordegg	147,028	245	600	164	896
Total	2,248,625	3,096	726	2,248	1,000

## THE MINES BRANCH

Number of days on which Coal was drawn in the DOMESTIC FIELD by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	21.33	11.00	12.13	7.00	5.66	10.50	3.25	9.24	14.17	19.00	24.70	20.79	158.82
Big Valley	21.20	15.60	13.25	8.00	11.33	11.50	17.00	20.50	15.67	23.30	18.60	16.20	191.35
Brooks	26.00	20.00	18.33	22.50	19.00	16.50	22.50	22.50	22.50	23.00	19.33	19.33	242.46
Carbone	22.50	12.25	14.63	10.33	13.00	10.33	12.60	15.86	17.00	17.44	24.00	19.75	186.69
Carbon	18.82	10.65	12.25	11.31	9.58	6.09	5.23	11.08	13.00	21.56	19.50	16.00	155.07
Castor	17.64	13.00	12.33	10.06	8.77	7.63	8.36	11.76	12.59	18.53	21.60	15.91	158.18
Champion	19.46	11.00	14.64	14.10	10.18	9.36	8.27	13.36	15.64	19.55	19.55	16.63	171.74
Drumheller	8.33	11.62	10.86	7.19	10.57	7.55	12.81	12.81	20.38	20.02	13.89	13.89	153.43
Edmonton	23.45	15.87	18.00	11.89	10.75	10.62	12.73	14.61	16.56	21.42	22.10	19.24	197.24
Gleichen	21.75	18.25	23.75	19.75	16.00	10.75	8.00	18.25	18.25	21.00	21.00	17.75	214.50
Halcourt	23.20	17.80	16.49	8.50	1.00	9.00	7.00	4.33	19.75	20.50	21.20	22.00	170.68
Lethbridge	17.33	11.43	16.14	13.56	11.33	10.30	12.77	18.79	19.40	21.50	20.90	14.69	188.14
Magrath	23.60	17.70	17.00	22.00	13.50	12.00	17.00	25.00	20.50	21.50	26.00	9.00	224.80
Milk River	13.00	12.60	14.60	8.00	8.33	12.00	15.33	19.33	23.00	17.33	18.50	15.66	185.31
Pakowki	8.17	6.17	8.00	7.60	4.00	4.75	7.25	11.60	18.17	21.00	14.45	13.00	124.16
Pembina	17.80	10.33	11.33	6.00	3.50	5.00	5.00	3.00	16.00	16.50	16.67	17.67	128.80
Redcliff	23.50	11.00	11.50	5.00	8.50	9.00	7.00	8.50	21.50	26.50	24.50	16.00	172.50
Rochester	26.00	16.50	15.00	8.00	16.07	14.55	12.50	10.58	12.85	16.21	20.00	14.25	114.75
Sheerness	14.32	12.11	13.50	16.07	11.94	9.45	9.70	11.70	15.20	18.83	21.07	19.60	15.47
Taber	17.91	12.55	12.83	21.67	20.33	16.00	15.50	14.00	19.00	16.00	23.67	19.25	178.33
Tofield	20.25	21.67	20.00	23.00	12.50	20.00	8.00	7.00	15.00	25.00	21.50	22.17	167.46
Wetaskiwin	15.70	8.00	23.00	...	...	...	...	...	14.00	25.00	17.00	24.00	84.67
No Area	...	...	...	...	...	...	...	...	...	...	...	...	185.70
Whitecourt	...	...	...	...	...	...	...	...	...	...	...	...	168.67
Average	19.66	14.03	14.74	12.13	10.51	9.83	9.85	14.31	17.56	20.67	21.30	16.98	170.64

Number of days in which Coal was drawn in the SUB-BITUMINOUS FIELD by areas each month:

Coalspur	22.00	13.50	15.50	10.67	12.80	17.67	11.33	13.67	18.00	19.56	20.50	15.83	191.03
Petkiko	19.25	16.50	11.00	12.00	12.50	11.00	8.33	12.33	11.33	14.00	20.50	14.50	163.24
Pincher	14.70	8.33	14.00	6.33	3.00	7.00	3.00	26.00	21.00	20.00	26.00	22.50	137.56
Prairie Creek	17.50	12.50	9.50	9.50	8.50	7.50	13.00	12.00	19.00	26.50	26.00	188.50	
Saunders	18.50	8.00	6.00	12.00	12.00	11.00	12.00	9.00	16.50	16.00	22.00	16.50	159.50
<b>Average</b>	<b>18.39</b>	<b>12.24</b>	<b>10.97</b>	<b>10.10</b>	<b>9.76</b>	<b>8.49</b>	<b>9.53</b>	<b>10.80</b>	<b>15.87</b>	<b>20.41</b>	<b>22.00</b>	<b>17.87</b>	<b>167.97</b>

Number of days on which Coal was drawn in the BITUMINOUS FIELD by areas each month:

Cascade	21.00	16.00	14.50	15.50	16.00	9.50	11.00	11.00	17.50	20.00	19.50	19.00	190.50
Crowsnest	13.78	11.78	13.00	17.25	16.62	16.50	19.33	20.89	17.80	18.60	13.70	19.25	
Mountain Park	19.33	17.67	19.33	14.00	15.00	15.00	13.00	13.33	18.00	21.33	22.33	21.00	209.32
Nordegg	12.00	11.00	11.00	7.00	7.00	6.00	6.00	7.00	11.00	14.00	15.00	13.00	120.00
<b>Average</b>	<b>16.53</b>	<b>14.11</b>	<b>14.46</b>	<b>13.44</b>	<b>13.90</b>	<b>11.75</b>	<b>12.33</b>	<b>13.06</b>	<b>16.63</b>	<b>18.28</b>	<b>18.86</b>	<b>16.68</b>	<b>179.77</b>

Number of days on which Coal was drawn each month:

Domestic	19.66	14.03	14.74	12.13	10.51	9.76	8.49	10.80	15.87	20.41	22.00	17.87	170.64
Sub-Bituminous	18.39	12.24	10.97	10.10	9.76	9.53	12.33	13.06	16.63	18.28	18.95	17.87	179.77
Bituminous	16.53	14.11	14.46	13.44	13.90	11.75	12.33	13.06	16.63	18.28	18.95	16.68	179.77
<b>Average</b>	<b>18.19</b>	<b>13.46</b>	<b>13.39</b>	<b>11.89</b>	<b>11.39</b>	<b>10.02</b>	<b>10.57</b>	<b>12.72</b>	<b>16.69</b>	<b>19.79</b>	<b>20.72</b>	<b>17.18</b>	<b>172.79</b>

## THE MINES BRANCH

Total number of shifts worked above and below ground by areas during each month for the six months ending December 31, 1935:

## DOMESTIC FIELD

Areas	January		February		March		April		May		June		Total	
	Above Ground	Below Ground	Jan. to June											
													Total	Jan. to June
Ardley	432	1,166	225	451	236	378	114	141	118	217	101	170	1,226	2,523
Big Valley	854	1,133	30	94	36	98	38	80	23	66	10	42	991	2,513
Brooks	114	122	82	83	101	78	51	43	26	106	25	25	512	385
Camrose	850	1,786	39	806	347	941	232	649	148	443	203	380	2,179	5,005
Carson	954	3,134	529	1,547	599	1,805	390	1,281	336	635	195	514	3,003	8,916
Castor	482	1,453	294	921	225	640	100	230	72	149	53	168	1,226	3,561
Champion	240	1,057	128	632	162	812	164	596	106	363	114	434	3,894	914
Drumheller	10,265	41,630	5,267	14,702	5,135	15,979	3,962	9,471	2,761	5,963	2,786	5,451	30,186	93,196
Edmonton	4,214	21,680	2,922	9,326	2,789	11,667	1,900	7,165	1,416	4,765	1,323	3,623	14,284	58,146
Gleichen	205	326	68	208	95	203	78	196	39	130	48	130	533	1,203
Halcourt	102	651	54	465	50	303	31	92	22	3	9	27	268	1,541
Lethbridge	4,718	11,650	3,067	4,629	3,545	6,575	2,149	3,975	2,717	3,300	7	3,305	18,743	32,941
Magrath	65	1,148	44	94	37	48	107	24	60	15	36	31	192	476
Milk River	57	63	41	35	48	44	62	46	23	16	25	20	256	224
Patokwi	22	85	15	42	21	63	14	44	3	17	71	244	80	288
Pembina	1,082	1,446	690	605	760	938	295	333	264	253	254	220	3,325	3,795
Redcliff	367	1,206	162	554	155	556	36	144	67	225	5	17	858	2,929
Rochester	28	25	78	36	72	16	8	8	8	187	85	187	187	85
Sheerness	1,380	230	869	221	1,160	140	924	175	637	149	639	69	5,889	984
Taper	327	734	137	271	164	270	101	207	55	150	118	118	1,750	1,750
Tofield	1,556	162	980	50	754	40	920	22	744	655	655	40	5,609	274
No Area	21	48	22	50	23	23	11	39	10	30	6	40	93	230
Total	28,316	88,935	15,803	36,322	16,514	41,086	11,625	25,005	8,866	16,373	9,988	15,118	91,082	222,839

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Total number of shifts worked above and below ground by areas during each month for the six months ending December 31, 1935:

## DOMESTIC FIELD

Areas	July		August		September		October		November		December		Total, July to December		Total for year 1935		
	Above Ground	Below Ground	Above Ground		Below Ground												
													Total, July to December	Total for year 1935	Total, July to December	Total for year 1935	
Ardney	62	98	135	246	239	414	355	803	420	1,285	322	894	1,533	3,740	2,759	6,263	
Big Valley	7	37	45	111	56	171	35	90	63	141	44	135	177	504	1,168	1,017	
Brooks	106	24	138	245	208	135	299	195	166	192	170	146	1,087	737	1,589	1,122	
Caribou	207	528	327	660	324	980	542	1,505	746	2,370	583	1,588	2,729	7,631	4,908	12,636	
Carbon	301	496	483	1,171	623	1,609	939	3,497	1,978	2,967	781	2,572	5,105	12,312	8,108	21,228	
Caster	97	164	121	235	208	568	456	1,593	534	2,557	417	1,767	1,833	6,884	3,059	10,445	
Champion	89	300	150	515	143	767	215	1,268	280	1,128	201	183	1,078	4,871	1,992	8,765	
Drumheller	2,881	4,301	5,282	15,180	6,371	21,106	10,537	42,983	11,219	48,683	8,479	31,050	44,759	164,323	74,935	257,519	
Edmonton	1,500	3,692	1,692	6,057	2,322	9,672	3,297	14,447	4,296	20,178	3,450	16,020	16,557	70,086	30,821	128,212	
Gleichen	33	56	60	159	91	264	124	526	140	539	106	453	554	1,997	1,087	3,200	
Halcyon	7	28	9	93	78	230	85	440	113	702	91	604	333	2,097	651	3,638	
Lethbridge	3,079	2,554	3,779	6,061	4,305	7,725	5,005	11,851	6,192	14,444	4,303	6,963	26,663	49,598	45,406	82,539	
Magrath	108	32	87	26	26	30	69	69	64	64	21	18	444	310	920	920	
Milk River	44	30	40	104	58	179	104	239	120	143	112	88	478	783	734	1,007	
Patokwi	8	36	17	61	54	283	75	192	37	120	30	100	221	732	301	1,060	
Pembina	189	222	349	299	820	1,062	897	969	830	1,188	874	1,027	3,939	4,767	7,294	8,652	
Redcliff	47	89	92	296	284	927	1,406	398	1,180	360	239	610	1,420	4,508	2,278	7,437	
Rochester	.....	.....	70	1,756	74	1,580	149	1,439	30	10	50	108	287	133	320	452	
Sheerness	611	72	176	119	345	200	789	201	839	274	869	1,660	295	9,036	1,345	14,625	
Taber	72	176	780	.....	775	21	934	130	1,230	175	832	141	661	1,007	3,679	2,329	
Tofield	730	.....	.....	.....	.....	25	7	43	8	56	39	149	64	112	118	5,429	
Westaskiwin	.....	.....	.....	.....	.....	10	14	40	10	26	26	80	62	180	18	360	
No. Area	5	16	4	4	4	10	10	10	10	10	10	10	166	163	482	256	712
Total	10,087	13,025	15,390	31,773	18,748	47,074	26,042	84,551	31,157	99,718	23,075	66,597	124,499	342,738	215,581	565,577	

## SUB-BITUMINOUS FIELD

Areas	January		February		March		April		May		June		Jan. to June	
	Above Ground	Below Ground												
Coalspur	7,350	4,681	6,499	1,610	6,168	2,112	5,418	935	5,334	755	5,998	508	37,367	10,601
Petisko	72	422	63	149	40	144	34	68	25	49	21	53	255	685
Pincher Creek	44	121	33	77	19	43	21	38	8	12	3	51	128	342
Prairie Creek	1,38	1,785	770	1,589	783	1,708	708	1,298	687	1,150	476	1,005	4,562	8,535
Saunders	1,759	612	294	589	224	371	142	280	190	270	304	546	1,766	3,815
Total	9,216	8,568	7,659	4,014	7,234	4,378	6,323	2,619	6,844	2,236	6,802	2,163	44,078	23,978

## BITUMINOUS FIELD

Areas	January		February		March		April		May		June		Jan. to June	
	Above Ground	Below Ground												
Cascade	1,829	3,706	1,355	2,186	1,457	2,384	1,564	2,653	1,752	2,296	1,658	2,143	9,615	15,368
Crownnest	9,377	20,539	6,907	17,034	8,652	21,552	9,445	23,412	9,236	20,852	9,021	21,958	52,638	125,347
Mountain Park	5,134	12,693	4,551	10,459	5,221	11,633	4,639	10,274	4,497	9,694	4,342	10,112	28,404	64,865
Nordegg	1,661	2,198	1,533	1,938	1,539	2,102	1,272	1,366	1,304	1,385	1,188	1,202	8,497	10,191
Total	18,001	39,136	14,346	31,617	16,869	37,671	16,940	37,705	16,789	34,227	16,209	35,415	99,154	215,771

## TOTAL DOMESTIC, SUB-BITUMINOUS AND BITUMINOUS FIELDS

Domestic Sub-Bituminous Bituminous	January		February		March		April		May		June		Jan. to June	
	Above Ground	Below Ground												
Domestic	28,316	88,935	15,803	36,322	16,514	41,086	11,625	25,005	8,866	16,373	9,958	15,118	91,082	222,839
Sub-Bituminous	9,216	8,568	7,659	4,014	7,234	4,378	6,323	2,619	6,844	2,236	6,802	2,163	44,078	123,978
Bituminous	18,001	39,136	14,346	31,617	16,869	37,671	16,940	37,705	16,789	34,227	16,209	35,415	99,154	215,771
Total	55,533	136,639	37,808	71,953	40,617	83,135	34,888	65,329	32,499	52,836	32,969	52,696	234,314	462,588

Total number of shifts worked above and below ground by areas during each month for the six months ending December 31, 1935:

**SUB-BITUMINOUS COAL FIELD**

Areas	July		August		September		October		November		December		Total July to December		Total for year 1935	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground										
Coalspur	5.970	1,088	7,209	1,396	7,688	2,614	8,112	3,775	7,735	4,348	6,087	3,267	42,801	16,488	80,168	27,089
Pekisko	5.22	58	57	7	32	24	36	114	49	219	65	171	255	801	510	1,486
Pincer Creek	3	6	7	7	1,079	2,115	1,492	88	47	125	44	64	161	343	289	685
Saunders	463	927	714	663	577	1,421	579	2,838	1,848	2,934	1,890	3,446	7,486	13,538	12,048	22,073
Total	6,626	2,349	8,376	3,481	9,400	6,305	10,249	8,509	10,410	9,540	8,596	8,523	53,657	38,707	97,735	62,685

**BITUMINOUS COAL FIELD**

Areas	July		August		September		October		November		December		Total July to December		Total for year 1935	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground										
Cascade	1,801	2,473	1,911	2,654	1,896	2,516	2,089	3,181	1,978	2,967	1,718	2,968	11,383	16,759	21,008	32,127
Crownnest	10,703	26,720	10,973	27,777	10,086	25,625	10,595	23,536	10,204	24,081	8,911	20,042	61,412	147,781	114,110	273,128
Mountain Park	4,539	8,572	4,468	9,295	4,909	11,835	5,002	13,408	5,112	13,557	4,984	12,544	69,211	57,418	134,076	134,076
Nordegg	1,177	1,171	1,358	1,419	1,501	2,034	1,824	2,670	1,871	2,798	1,681	2,395	9,412	12,487	17,969	22,678
Total	18,220	38,936	18,710	41,145	18,392	42,010	19,510	42,795	19,165	43,403	17,284	37,949	111,291	246,238	210,445	462,009

**TOTAL DOMESTIC, SUB-BITUMINOUS AND BITUMINOUS COAL FIELDS**

Areas	July		August		September		October		November		December		Total July to December		Total for year 1935	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground										
Domestic	10,087	13,025	15,390	31,773	18,748	47,074	26,042	84,551	31,157	99,718	23,075	66,597	124,499	342,738	215,581	565,577
Sub-Bituminous	6,626	2,349	8,376	3,481	9,400	6,305	10,249	8,509	10,410	9,540	8,596	8,523	53,657	38,707	97,735	62,685
Bituminous	18,220	38,936	18,710	41,145	18,392	42,010	19,510	42,795	19,165	43,403	17,284	37,949	111,291	246,238	210,445	462,009
Total	34,933	54,310	42,476	76,399	46,840	95,389	55,801	135,855	60,732	152,661	48,965	113,049	289,447	627,683	523,761	1,090,271

## THE MINES BRANCH

Amount of Mine Timber used during the year:

## DOMESTIC COAL FIELD

Areas	Round Timber, linear feet	Lumber B.M.	Ties, linear feet	Lagging, linear feet	Slabs, cords	Cog- wood, cords
Ardley .....	58,317	...	...	...	...	...
Big Valley .....	19,520	...	...	...	...	...
Brooks .....	23,960	...	...	...	...	...
Camrose .....	68,367	...	...	...	...	...
Carbon .....	448,313	...	...	...	...	...
Castor .....	100,421	2,500	...	...	...	...
Champion .....	78,450	450	...	...	...	...
Drumheller .....	4,682,404	...	120,822	...	37	...
Edmonton .....	2,759,912	600	58,556	...	359 1/2	...
Gleichen .....	26,847	...	...	...	...	...
Halcourt .....	28,464	...	...	...	...	...
Lethbridge .....	1,079,483	...	...	...	...	...
Magrath .....	4,866	...	...	...	...	...
Milk River .....	10,640	712,937	51,874	...	8	17
Pakowski .....	11,307	...	...	...	...	...
Pembina .....	116,721	...	6,925	...	...	...
Redcliff .....	60,090	...	15,350	...	...	...
Rochester .....	24,300	...	...	...	...	...
Sheerness .....	12,704	...	...	...	...	...
Taber .....	43,350	...	...	...	...	...
Tofield .....	4,650	...	...	...	...	...
Wetaskiwin .....	6,600	...	...	...	...	...
Whitecourt .....	500	...	...	...	...	...
No Area .....	8,780	...	...	...	...	...
<b>Total .....</b>	<b>9,678,966</b>	<b>716,487</b>	<b>253,527</b>	...	<b>404 1/2</b>	<b>17</b>

## SUB-BITUMINOUS COAL FIELD

Coalspur .....	328,076	...	...	...	...	...
Pekisko .....	11,766	...	...	...	...	...
Pincher .....	6,650	...	...	...	...	...
Prairie Creek .....	1,469,436	...	3,950	11,720	13	...
Saunders .....	152,808	...	35,880	20,000	...	...
<b>Total .....</b>	<b>1,968,736</b>	...	<b>39,830</b>	<b>31,720</b>	<b>13</b>	...

## BITUMINOUS COAL FIELD

Cascade .....	363,848	...	...	207,780	...	...
Crowsnest .....	2,977,739	878,220	19,955	541,238	191	...
Mountain Park .....	875,966	...	...	...	...	...
Nordegg .....	583,077	...	...	...	...	...
<b>Total .....</b>	<b>4,800,630</b>	<b>878,220</b>	<b>19,955</b>	<b>749,018</b>	<b>191</b>	...

Particulars of Lamps in the Domestic Coal Field

	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935
Portable Electric Lamps, Edison Cap Type	807	780	744	1,207	1,592	1,800	2,627	2,530	2,581	2,521	2,634	2,556	2,792
Portable Electric Lamps, Ceag Hand Type	35	43	43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Portable Electric Lamps, Wico Cap Type	500	569	560	275	40	.....	.....	.....	.....	.....	.....	.....	.....
Portable Electric Lamps, Oldham Cap Type	.....	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Portable Electric Lamps, Wolfe Cap Type	125	152	147	108	108	106	157	171	160	174	242	66	244
Safety Lamps, Wolfe Flame Type	6	8	4	3	3	3	.....	.....	.....	3	191	3	3
Safety Lamps, Koehler Flame Type	3	3	3	3	3	3	.....	.....	.....	3	.....	.....	.....
Total	1,470	1,575	1,542	1,594	1,703	1,906	2,784	2,701	2,807	2,761	2,878	2,813	3,039

Particulars of Lamps in the Sub-Bituminous Coal Field

Portable Electric Lamps, Edison Cap Type	78	62	41	120	120	140	161	184	187	350	357	453	275
Safety Lamps, Wolfe Flame Type	.....	.....	110	42	39	45	37	25	51	59	39	46	39
Total	78	151	162	159	185	198	209	438	409	396	499	314	314

Particulars of Lamps in the Bituminous Coal Field

Portable Electric Lamps, Edison Cap Type	3,545	3,485	2,952	3,024	3,378	3,510	3,310	3,458	4,458	3,005	2,922	2,638	2,743
Portable Electric Lamps, Wheat Electric Cap Type	.....	.....	.....	.....	.....	.....	11	12	12	.....	.....	.....	.....
Portable Electric Lamps, Wolfe Electric Cap Type	.....	.....	.....	.....	.....	.....	20	20	20	7	.....	20	.....
Portable Electric Lamps, General Electric Cap Type	47	47	47	47	47	47	47	47	47	47	47	47	47
Portable Electric Lamps, Oldham Cap Type	1,186	894	703	554	633	468	363	345	353	337	318	329	324
Safety Lamps, Wolfe Flame Type	.....	.....	.....	8	8	.....	.....	.....	.....	.....	.....	.....	.....
Safety Lamps, Koehler Flame Type	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	4,778	4,379	3,655	3,578	4,019	4,019	3,705	3,823	4,818	3,342	3,240	2,987	3,067

## THE MINES BRANCH

Quantity of Explosives used in pounds for blasting coal:  
DOMESTIC COAL FIELD

Areas	Pellets	Names of Explosives								Total
		Polar Monobel No. 4	Polar Monobel No. 6	Polar Monobel No. 12	Polar Monobel No. 14	Miner's Friend No. 9	20% Dynamite	30% Dynamite	40% Dynamite	
Ardley	15,232	570	..	..	..	..	..	..	..	15,802
Big Valley	818	..	..	..	..	..	..	..	..	818
Brooks	10,600	150	..	..	..	..	..	..	..	10,750
Camrose	..	..	..	365	..	20	..	..	..	385
Carbon	20,177	..	..	..	..	..	..	..	..	20,177
Castor	6,243	..	..	..	..	..	..	..	..	6,243
Champion	12,605	..	..	..	..	..	..	..	..	12,605
Drumheller	168,491	1,750	300	4,238	7,174	625	..	..	..	182,578
Edmonton	30,032	8,450	..	12,708	4,035	1,100	191	..	..	56,516
Gleichen	3,050	..	..	..	..	..	..	..	..	3,050
Halcourt	1,400	..	..	..	..	..	195	..	..	1,595
Lethbridge	14,032	20,341	..	..	..	..	..	1,950	..	36,323
Magrath	550	200	..	..	..	..	..	..	150	900
Milk River	3,850	1,200	..	..	..	..	1,950	..	..	7,000
Pakowki	1,700	..	..	..	..	..	125	..	..	1,825
Pembina	..	5,022	..	..	..	..	60	..	..	5,082
Redcliff	6,500	1,150	..	..	..	..	..	..	..	7,650
Rochester	..	295	..	..	..	..	..	..	..	295
Sheerness	3,605	277	..	..	..	..	..	..	..	3,882
Taber	5,420	..	..	..	..	..	..	..	..	5,420
Tofield	4,145	..	..	..	..	..	..	..	30	4,175
Wetaskiwin	140	..	..	..	..	..	..	..	..	140
Whitecourt	10	..	..	..	150	..	..	..	..	10
No Area	..	..	..	..	..	..	..	..	..	150
Total	308,600	39,405	300	16,946	11,724	1,725	2,541	1,950	180	383,371

## SUB-BITUMINOUS COAL FIELD

Areas	Pellets	Names of Explosives								Total
		Polar Monobel No. 4	Polar Monobel No. 6	Polar Monobel No. 12	Polar Monobel No. 14	Polar Monobel No. 14	35% Polar Forcite	..	..	
Coalspur	..	..	..	..	..	..	..	..	..	74,648
Pekisko	..	75	..	..	..	..	..	..	..	2,294
Pincher	..	221	598	209	..	2,010	55,300	..	..	819
Prairie Creek	3,617	..	..	..	1,736	..	..	..	..	58,561
Saunders	5,292	..	..	..	4,607	..	..	..	..	9,899
Total	8,909	72,852	598	6,552	2,010	55,300	..	..	..	146,221

## BITUMINOUS COAL FIELD

Areas	Pellets	Names of Explosives								Total
		Polar Monobel No. 4	Polar Monobel No. 6	Polar Monobel No. 12	Polar Monobel No. 14	Polar Monobel No. 14	..	..	..	
Cascade	..	..	33,950	2,000	..	45	15	..	..	36,010
Crowsnest	50	23,061	1,454	..	..	..	..	..	..	24,565
Mountain Park	..	..	94,558	..	..	..	..	..	..	94,558
Nordegg	..	4,300	..	..	..	..	..	..	..	4,300
Total	..	50	61,311	98,012	45	15	..	..	..	159,433

Number of tons of coal produced per pound of Explosive used for blasting coal:  
**DOMESTIC COAL FIELD**

Areas	Number of tons mined	Number of pounds of explosive used	Tons of coal mined per pound of explosive used
Ardley .....	25,565	15,802	1.61
Big Valley .....	3,494	818	4.27
Brooks .....	8,040	10,750	.74
Camrose .....	57,466	385	149.26
Carbon .....	95,424	20,177	4.72
Castor .....	34,920	6,243	5.59
Champion .....	20,836	12,605	1.65
Drumheller .....	1,261,239	182,578	6.90
Edmonton .....	493,263	56,516	8.72
Gleichen .....	9,165	3,050	3.00
Halcourt .....	3,738	1,595	2.34
Lethbridge .....	349,676	36,323	9.62
Magrath .....	1,282	900	1.42
Milk River .....	4,485	7,000	.64
Pakowki .....	2,781	1,825	1.52
Pembina .....	72,149	5,082	14.19
Redcliff .....	34,149	7,650	4.46
Rochester .....	1,467	295	4.97
Sheerness .....	91,024	3,882	23.44
Taber .....	14,669	5,420	2.70
Tofield .....	59,426	4,175	14.23
Wetaskiwin .....	728	140	5.20
Whitecourt .....	67	10	6.70
No Area .....	2,859	150	19.06
<b>Total</b> .....	<b>2,647,912</b>	<b>383,371</b>	<b>6.90</b>

**SUB-BITUMINOUS COAL FIELD**

Coalspur .....	413,486	74,648	5.53
Pekisko .....	4,298	2,294	1.87
Pincher .....	1,405	819	1.71
Prairie Creek .....	110,192	58,561	1.88
Saunders .....	37,055	9,899	3.74
<b>Total</b> .....	<b>566,436</b>	<b>146,221</b>	<b>3.87</b>

**BITUMINOUS COAL FIELD**

Cascade .....	152,925	36,010	4.24
Crowsnest .....	1,297,404	24,565	52.81
Mountain Park .....	651,268	94,558	6.88
Nordegg .....	147,028	4,300	34.19
<b>Total</b> .....	<b>2,248,625</b>	<b>159,433</b>	<b>14.10</b>

## THE MINES BRANCH

Estimated number of shots fired for Blasting Coal:

## DOMESTIC COAL FIELD

Areas	Electric Detonators	Electric Squibs	Fuse	Squibs	Total
Ardley .....	2,000	.....	9,562	.....	11,562
Big Valley .....	.....	1,340	.....	.....	1,340
Brooks .....	.....	140	2,790	.....	2,930
Camrose .....	312	.....	614	.....	926
Carbon .....	.....	.....	27,304	1,012	28,316
Castor .....	.....	6,069	452	.....	6,521
Champion .....	.....	3,945	6,570	.....	10,515
Drumheller .....	26,913	68,987	102,451	90	198,441
Edmonton .....	10,314	7,060	54,478	2,500	74,352
Gleichen .....	.....	.....	2,275	1,450	3,725
Halcourt .....	.....	.....	1,647	.....	1,647
Magrath .....	.....	.....	700	730	1,430
Milk River .....	.....	.....	2,644	1,900	4,544
Lethbridge .....	37,274	1,000	70	10,661	49,005
Pakowki .....	.....	.....	362	2,035	2,397
Pembina .....	4,340	.....	135	.....	4,475
Redcliff .....	1,500	.....	.....	3,850	5,350
Rochester .....	.....	.....	315	.....	315
Sheerness .....	165	.....	2,534	840	3,539
Taber .....	.....	.....	390	5,655	6,045
Tofield .....	.....	.....	2,220	.....	2,220
Wetaskiwin .....	.....	.....	185	.....	185
Whitecourt .....	.....	.....	40	.....	40
No Area .....	270	.....	.....	.....	270
<b>Total</b> .....	<b>83,088</b>	<b>77,047</b>	<b>219,420</b>	<b>40,535</b>	<b>420,090</b>

## SUB-BITUMINOUS COAL FIELD

Coalspur .....	28,802	.....	350	.....	29,152
Pekisko .....	1,900	.....	771	.....	2,671
Pincher .....	1,802	.....	.....	.....	1,802
Prairie Creek .....	60,871	.....	.....	.....	60,871
Saunders .....	.....	.....	10,224	.....	10,224
<b>Total</b> .....	<b>93,375</b>	<b>.....</b>	<b>11,345</b>	<b>.....</b>	<b>104,720</b>

## BITUMINOUS COAL FIELD

Cascade .....	62,350	.....	.....	.....	62,350
Crowsnest .....	28,504	.....	980	.....	29,484
Mountain Park .....	92,237	.....	.....	.....	92,237
Nordegg .....	5,916	.....	.....	.....	5,916
<b>Total</b> .....	<b>189,007</b>	<b>.....</b>	<b>980</b>	<b>.....</b>	<b>189,987</b>

Number of miss-fire shots recorded in blasting coal in the Province:

## DOMESTIC COAL FIELD

Areas	Electric Detonators	Electric Squibs	Fuse	Squibs	Total
Ardley	..	..	19	..	19
Camrose	..	..	8	..	8
Carbon	..	..	15	2	17
Castor	..	..	8	10	18
Champion	..	..	9	..	9
Drumheller	3	41	97	..	141
Edmonton	8	1	78	..	87
Halcourt	..	..	5	..	5
Lethbridge	1	..	..	3	4
Pakowki	..	..	2	..	2
Redcliff	..	..	..	11	11
Sheerness	1	..	8	3	12
Taber	..	..	2	24	26
Tofield	..	..	14	..	14
Total	13	42	265	53	373

## SUB-BITUMINOUS COAL FIELD

Coalspur	8	..	..	..	8
Saunders	..	..	2	..	2
Total	8	..	2	..	10

## BITUMINOUS COAL FIELD

Cascade	6	..	..	..	6
Crowsnest	4	..	1	..	5
Mountain Park	9	..	..	..	9
Total	19	..	1	..	20



## Estimated number of shots fired for blasting rock in Coal-mines in the Province:

Areas	Electric Detonators	Fuse	Squibs	Total
Ardley .....	...	42	...	42
Camrose .....	3	...	...	3
Carbon .....	840	...	...	840
Castor .....	15	...	...	15
Cascade .....	5,000	...	...	5,000
Champion .....	50	1,325	170	1,545
Coalspur .....	6,134	6,600	...	12,734
Crowsnest .....	19,216	770	...	19,986
Drumheller .....	4,760	13,197	...	17,957
Edmonton .....	...	410	...	410
Gleichen .....	...	320	...	320
Halcourt .....	...	2,365	...	2,365
Lethbridge .....	389	...	38	427
Magrath .....	...	40	...	40
Mountain Park .....	33,786	...	...	33,786
Nordegg .....	334	...	...	334
Prairie Creek .....	3,033	...	...	3,033
Saunders .....	...	1,850	...	1,850
Sheerness .....	...	15	...	15
Taber .....	...	485	...	485
No Area .....	4	...	...	4
Taber .....	72,706	28,277	208	101,191

## Number of miss-fire shots recorded in blasting rock in Coal-mines in the Province:

Cascade .....	7	...	...	7
Crowsnest .....	8	2	...	10
Drumheller .....	4	15	...	19
Halcourt .....	...	47	...	47
Mountain Park .....	...	29	...	29
Saunders .....	...	3	...	3
Total .....	19	96	...	115

## THE MINES BRANCH

## ELECTRICITY

The rules for the installation and use of electricity in or about mines require a return to be made to the Department on or before January 15th of each year, giving size, type and any other particulars which may be required of electrical apparatus in use above and below ground. According to the returns received from the different mines, electricity was used in 77 different mines in 1935. A summary of these returns regarding the horse-power of electrical apparatus in use is given below:

Areas	No. of mines using Electricity	Horse-power of Electrical Apparatus in use		Total Horse-power
		Above Ground	Below Ground	
Ardley	1	54	56	110
Big Valley	1	25	35	60
Carriarose	1	8	7	15
Carbon	5	165	276	441
Cascade	1	705	175	880
Coalspur	5	1,085	420	1,505
Crowsnest	6	11,815½	2,460	14,275½
Drumheller	25	3,303	4,983½	8,286½
Edmonton	10	816	939	1,755
Gleichen	1	2	5	7
Lethbridge	7	1,829½	867½	2,697
Mountain Park	3	1,866	1,380	3,246
Nordegg	1	1,200½	80	1,280½
Pembina	2	177	357½	534½
Prairie Creek	2	100½	235½	336
Redcliff	2	130	90	220
Saunders	2	116½	173	289½
Taber	2	35	76	111
<b>Total</b>	<b>77</b>	<b>23,433½</b>	<b>12,616</b>	<b>36,049½</b>

## COAL-CUTTING MACHINERY

Areas	No. of machines operated by		Tons of coal mined by	
	Electricity	Compressed air	Electricity	Compressed air
Ardley	2	2	18,213	859
Big Valley	1	...	1,833	...
Carbon	6	...	86,177	...
Coalspur	...	11	...	37,663
Crowsnest	...	177*	...	285,892
Drumheller	94	1	1,204,521	2,918
Edmonton	16	3	297,995	9,188
Gleichen	...	1	...	3,300
Lethbridge	10	84	132,768	152,195
Mountain Park	...	1	...	44,499
Pembina	2	...	42,596	...
Prairie Creek	3	...	23,629	...
Redcliff	3	...	34,144	...
Saunders	2	8	5,300	31,735
Taber	2	1	6,400	600
<b>Total</b>	<b>141</b>	<b>289</b>	<b>1,853,576</b>	<b>568,849</b>

\*Compressed air operated 177 picks.

## ACCIDENTS

Summary table showing Accidents occurring in Mines from 1906 to 1935 inclusive:

Year	Output	Accidents			Tons of coal mined per accident		
		Fatal	Serious	Slight	Fatal	Serious	Slight
1906	1,385,000	10	11	20	138,500	125,909	60,250
1907	1,834,745	19	18	68	96,565	101,930	26,981
1908	1,845,000	11	38	13	167,727	48,552	141,923
1909	2,174,329	9	42	18	241,952	51,769	120,796
1910	3,036,757	61*	41	58	49,782	71,067	52,375
1911	1,694,564	7	32	45	242,080	52,955	37,656
1912	3,446,349	21	38	58	164,111	90,693	59,419
1913	4,306,346	28	60	83	152,789	71,772	51,883
1914	3,821,739	209†	44	50	18,286	86,857	76,434
1915	3,434,891	18	33	33	190,827	104,087	104,087
1916	4,638,604	20	51	34	232,430	91,149	136,723
1917	4,863,414	24	62	39	202,642	78,442	124,703
1918	6,148,620	22	60	77	279,483	102,477	79,860
1919	5,022,412	21	56	54	239,162	89,685	93,008
1920	6,908,923	29	53	38	238,733	130,371	181,814
1921	5,937,195	21	64	25	282,721	92,769	237,488
1922	5,976,432	35	38	35	170,755	157,274	170,755
1923	6,866,923	22	44	10	312,133	156,066	686,692
1924	5,203,713	21	42	40	247,796	123,898	130,093
1925	5,883,394	30	59	56	196,113	99,718	105,060
1926	6,508,908	39	67	119	166,398	97,148	54,696
1927	6,936,780	26	76	115	266,799	91,273	60,320
1928	7,334,179	28	71	122	261,935	103,298	60,166
1929	7,147,250	31	69	98	230,556	103,583	72,931
1930	5,755,911	11	69	97	523,265	83,419	59,339
1931	4,563,309	16	75	73	285,207	60,844	62,511
1932	4,867,984	11	61	96	442,544	79,803	50,708
1933	4,714,784	6	60	109	785,797	78,580	43,255
1934	4,748,848	15	68	70	316,589	69,836	67,840
1935	5,462,973	35†	66	113	156,085	82,772	48,352
Total	142,480,186	856	1,568	1,766	166,449	90,867	81,812

\*Including thirty-one deaths caused by the Bellevue Explosion.

†Including one hundred and eighty-nine deaths caused by the Hillcrest Explosion.

‡Including sixteen deaths caused by the explosion at Lethbridge Collieries, Limited, Coalhurst.

Accidents during 1935, classified according to the Coal Field in which they occurred:

Domestic	2,649,712	21	41	74	126,091	64,581	35,782
Sub-Bituminous	566,436	3	1	18	188,812	566,436	31,469
Bituminous	2,248,625	11	24	21	204,420	93,693	107,077

Comparison of Accidents per 1,000,000 tons and per 1,000 men employed, 1915-1935:

Year	Tonnage	Total No. of men employed	Fatal Accidents			Serious Accidents			Slight Accidents			Total		
			Per 1,000,000 tons	Per 1,000 men employed										
1915	3,434,891	6,445	18	5.24	2.79	33	9.63	5.12	33	9.63	5.12	84	24.45	13.03
1916	4,538,604	7,570	20	4.31	2.64	51	10.99	6.74	34	7.33	4.49	105	22.61	13.87
1917	4,863,414	8,310	24	4.93	2.88	62	12.75	7.46	39	8.02	4.69	125	25.91	15.04
1918	6,148,620	8,774	22	3.57	2.51	60	9.95	6.84	77	12.52	8.78	159	25.85	18.12
1919	5,022,412	7,573	21	4.18	2.78	56	11.15	7.39	54	10.75	7.13	131	26.28	17.30
1920	6,908,923	8,688	29	4.20	2.99	53	7.81	6.10	38	5.50	4.37	120	17.37	13.81
1921	5,937,195	10,010	21	3.54	2.10	64	10.78	6.39	25	4.23	2.50	110	18.53	10.99
1922	5,976,432	8,547	35	5.86	4.09	38	6.36	4.45	35	5.86	4.09	108	18.07	12.64
1923	6,866,923	9,927	22	3.19	2.21	44	6.39	4.43	10	1.45	1.00	76	11.07	7.65
1924	5,203,773	7,317	21	4.03	2.96	42	8.07	5.74	49	7.68	5.47	103	19.79	14.35
1925	5,383,394	8,774	30	5.10	3.40	59	10.03	3.42	56	9.52	6.38	145	24.65	16.53
1926*	6,508,908	8,763	39	5.99	4.99	67	10.29	7.65	119	10.33	13.58	225	34.57	25.68
1927	6,936,780	9,016	26	3.75	2.88	76	10.96	8.43	115	16.50	12.77	217	31.28	24.06
1928	7,334,179	9,496	28	3.82	2.96	71	9.68	7.48	122	16.63	12.85	221	30.12	23.27
1929	7,147,250	9,572	31	4.34	3.24	69	9.65	7.21	98	13.71	10.24	198	27.70	20.30
1930	5,755,911	8,889	11	1.91	1.24	69	11.99	7.76	97	17.20	10.90	177	30.75	19.91
1931	4,563,309	8,070	16	3.51	1.98	75	16.44	9.27	73	16.00	9.04	164	35.92	20.32
1932	4,867,934	7,837	11	2.26	1.40	61	12.53	7.78	96	19.72	12.27	168	34.51	21.43
1933	4,717,784	8,042	6	1.27	0.75	60	12.73	7.46	109	20.99	13.55	175	37.12	21.76
1934	14,448,848	7,883	15	3.14	1.91	68	14.31	8.65	70	14.74	8.90	153	32.21	19.45
1935	14,462,973	7,824	35	6.40	4.47	66	12.08	8.44	113	20.68	14.44	214	39.17	27.35

\*Including 10 deaths by explosion at McGillivray Creek Coal &amp; Coke Co., Ltd.

†Output does not include coal produced by farmers under permit.

‡Including 16 deaths by explosion at Lethbridge Collieries, Ltd., Coalhurst.

Number of tons produced per accident:  
**DOMESTIC COAL FIELD**

Areas	Output	Average No. of men employed	No. of tons produced per accident			
			Fatal	Serious	Slight	Total
Ardley	25,565	46	.....	25,565	25,565	12,782
Big Valley	3,494	17	.....	.....	.....	.....
Brooks	8,040	13	.....	.....	.....	.....
Camrose	57,466	80	.....	.....	.....	.....
Carbon	95,424	169	95,424	.....	95,424	47,712
Castor	34,920	71	.....	.....	11,640	11,640
Champion	20,836	56	.....	20,836	20,836	10,418
Drumheller	1,261,239	1,779	630,619	48,663	97,326	30,762
Edmonton	493,263	728	493,263	70,466	17,616	13,702
Gleichen	9,165	20	.....	.....	.....	.....
Halcourt	3,738	20	.....	.....	.....	.....
Lethbridge	349,676	659	20,569	58,279	19,443	8,529
Magrath	1,282	6	.....	.....	.....	.....
Milk River	4,485	14	.....	.....	4,485	4,485
Pakowki	2,781	14	.....	.....	.....	.....
Pembina	72,149	93	.....	.....	14,419	14,419
Redcliff	34,149	52	.....	.....	.....	.....
Rochester	1,467	6	.....	.....	.....	.....
Sheerness	90,024	77	.....	.....	30,008	30,008
Taber	14,669	43	.....	.....	.....	.....
Tofield	59,426	47	.....	.....	.....	.....
Wetaskiwin	728	6	.....	.....	.....	.....
Whitecourt	67	1	.....	.....	.....	.....
No Area	2,859	6	.....	.....	.....	.....
<b>Total</b>	<b>2,647,912</b>	<b>4,023</b>	<b>126,091</b>	<b>64,581</b>	<b>35,782</b>	<b>19,469</b>

**SUB-BITUMINOUS COAL FIELD**

Coalspur	413,486	436	413,486	413,486	41,348	34,457
Pekisko	4,298	10	.....	.....	1,074	1,074
Pincher	1,405	7	.....	.....	.....	.....
Prairie Creek	110,192	142	.....	.....	.....	.....
Saunders	37,055	86	18,577	.....	9,264	6,176
<b>Total</b>	<b>566,436</b>	<b>681</b>	<b>188,812</b>	<b>566,436</b>	<b>31,469</b>	<b>25,747</b>

**BITUMINOUS COAL FIELD**

Cascade	152,925	280	152,925	76,462	50,975	25,671
Crowsnest	1,297,404	1,834	216,234	76,318	129,740	39,315
Mountain Park	651,268	737	217,089	162,817	108,545	50,098
Nordegg	147,028	245	147,028	147,028	73,514	36,757
<b>Total</b>	<b>2,248,625</b>	<b>3,096</b>	<b>204,420</b>	<b>93,693</b>	<b>107,077</b>	<b>40,155</b>

**SUMMARY**

Domestic	2,647,912	4,023	126,091	64,581	35,782	19,469
Sub-Bituminous	566,436	681	188,812	566,436	31,469	25,747
Bituminous	2,248,625	3,096	204,420	93,693	107,077	40,155
<b>Total</b>	<b>5,462,973</b>	<b>7,800</b>	<b>156,085</b>	<b>82,772</b>	<b>48,352</b>	<b>25,528</b>

Classification of Accidents according to outputs of mines which produced during the year 1935:

	Under 1,000 tons	From 1,000 to 5,000 tons	From 5,000 to 10,000 tons	From 10,000 to 50,000 tons	From 50,000 to 100,000 tons	From 100,000 to 150,000 tons	From 150,000 to 200,000 tons	From 200,000 to 300,000 tons	From 300,000 to 600,000 tons	Over 600,000 tons	Total
Fatal .....	2	1	1	3	18	4	1	4	3	35	
Serious .....	2	2	1	13	22	9	4	6	8	66	
Slight .....	2	6	1	47	26	14	7	4	6	113	
<b>Total</b> .....	<b>4</b>	<b>9</b>	<b>2</b>	<b>63</b>	<b>66</b>	<b>27</b>	<b>12</b>	<b>14</b>	<b>17</b>	<b>214</b>	

Tons of coal produced per accident:

Fatal .....	161,406	96,463	371,033	63,435	248,593	499,841	102,827	328,398	156,085	
Serious .....	80,703	85,637	21,901	110,486	124,960	68,551	123,187	82,792	29,488	
Slight .....	26,901	23,687	43,917	71,027	71,406	102,827	164,249	48,345	29,488	
<b>Total</b> .....	<b>14,744</b>	<b>17,934</b>	<b>48,231</b>	<b>17,830</b>	<b>17,300</b>	<b>36,829</b>	<b>41,653</b>	<b>29,379</b>	<b>57,970</b>	<b>25,528</b>

## FATAL ACCIDENTS

Robert Mitchell, foreman driller, age 59 years, on January 25, at the mine operated by the Sterling Collieries Co., Ltd., at Sterco, caused through a fall of coal at the face of stripping pit. He had drilled a number of shot holes in the coal at the base of a 12 foot bench of coal and was starting to load the holes with explosive when a large lump of coal fell from the face, striking him. Fractured left femur, chest contusions and internal injuries from the effects of which he died in the hospital a short time after.

Robert Brown, railroad switchman, age 20 years, on January 30th, at the mine operated by the Canmore Coal Company, Ltd., Canmore, caused through his falling in front of moving railroad cars. He was about to climb onto the locomotive, which was pulling a trip of cars, when his foot slipped and he fell in front of the cars. The wheel of car ran onto his back. Crushed chest and back causing instant death.

Charles White, driver, age 22 years, on January 30th, in the mine operated by Royalties Oil & Share Corporation, Ltd., at Coalhurst, caused through his falling in front of a moving trip of cars. He was driving a horse hauling a trip of loaded cars, riding on the front end and in getting off the moving trip got his foot caught in the tail chain, which caused him to trip and fall in front of the moving cars. The front wheels of the first car passed over his left leg, derailing the car, which dropped onto his body. Compound fracture left leg and fractured spine, from the effects of which he died in the hospital on January 31st.

Frank Kucher, miner, aged 48 years, on January 31st, in the mine operated by West Canadian Collieries, Ltd., at Bellevue, caused through a fall of coal. He was mining coal at the face of an airway off 112 chute No. 8 level when some coal fell off the rib side, striking him and partially burying him. Fractured pelvis and ruptured bladder, from the effects of which he died in the hospital on February 3rd.

William Graham, examiner, aged 43 years, on February 11th, in the mine operated by McGillivray Creek Coal & Coke Co., Ltd., near Coleman, caused through asphyxiation by C.H. 4. He was making an inspection of working places before the shift commenced work in No. 4 level No. 2 seam. Apparently when climbing a ladder in 56 room he got into a body of C.H. 4 and was overcome. He was dead when found by a search party, death being caused by asphyxiation.

Angelo Spino, miner, aged 48 years, on March 11th, in the mine operated by the Brazeau Collieries, Ltd., at Nordegg, caused through a fall of coal. He was working in No. 8 room No. 1 slope 3 seam making a place to set a post when a cave of coal occurred, burying him. Fractured skull with multiple crushing of body, causing instant death. The body was recovered three hours after the cave in occurred.

John Gregoraschuk, driver, age 37 years, on March 25th, in the mine operated by the Hillcrest Collieries, Ltd., at Hillcrest, caused through his falling in front of a loaded trip. He was driving a horse hauling a trip of loaded cars from the top of No. 1 slope to the outside by way of the rock tunnel, riding on the bumper of the first car. In some manner he fell off the car and was struck by the moving cars, being found lying alongside the track with a broken neck, from the effects of which he died shortly after being found.

William Kowalchuk, rope rider, age 30 years, on March 30th, in the mine operated by the Mountain Park Collieries, Ltd., at Mountain Park, caused through his having been crushed between a derailed car and the roof. He was riding on the front end of a trip of loaded cars being hoisted up the slope, when near the top of the slope the first car became derailed, catching his head between the top of car and roof. Upper part of head crushed, causing instant death.

Mike Krmpotic, miner, aged 49 years, and John Pekarek, miner, aged 34 years, on June 8th, in the mine operated by the Big Horn and Saunders Creek Collieries, Ltd., at Saunders, caused by a fall of rock. They had fired shots in the coal at face No. 2 R. incline, and had loaded six cars of coal. They were loading a seventh car when a large piece of rock fell from the roof, catching both men. Krmpotic had compound fracture of skull and face, Pekarek had multiple crushing of the head, causing instant death to both men.

G. Graver, machine man's helper, age 29 years, on August 6th, in the mine operated by the Regal Coal Company, Ltd., near Drumheller, caused through

his being caught in the cutting chain of an electrically operated coal-cutting machine. He was assisting the machine man to load the machine. The loading chain caught in the picks, and while the machine man was trying to loosen same, Graver went to the other side and was caught in the cutter chain. Badly lacerated left arm and arm pit axillary artery severed, causing severe haemorrhage. He died from shock and loss of blood about 4½ hours later.

Arthur Thorstenson, miner, age 41 years, on August 26th, in the mine operated by the Canadian Dinant Coal Co., Ltd., at Three Hills, caused through a fall of rock. He was walking along the entry going to his working place to commence work, when passing first cross-cut off entry inbye No. 4 west, a large piece of rock fell from the roof on to his head and shoulders. Head cut and internal injuries, causing instant death.

Paul Kovach, brakeman, age 39 years, on September 3rd, in the mine operated by the West Canadian Collieries, Ltd., at Bellevue, caused through being struck by a connecting pipe. He was charging a compressed air locomotive when the connecting pipe blew off and swinging around, struck him on the head. Fractured skull, from the effects of which he died 23 hours later.

John H. Turner, miner, age 41 years, on October 1st, in the mine operated by the Mountain Park Collieries, Ltd., at Mountain Park, caused through a fall of rock. He was timbering at the longwall face when a large piece of rock fell on to his head and shoulders. Fracture of base of skull, causing instant death.

Fred Keen, driver, age 21 years, on October 7th, in the mine operated by the Cadomin Coal Co., Ltd., at Cadomin, caused through his being crushed between cars and timber. He was driving a horse hauling two loaded cars on 6 east entry and had stepped off the first car in order to place sprags in the wheels when he was jammed between the car and timbers on the side of the entry. He stepped off on the wrong side, through inexperience, this not being his regular job. Fourth vertebrae and left jaw fractured, causing instant death.

Alexander P. Douglas, miner, age 37 years, on November 7th, in the mine operated by Hillcrest Collieries, Ltd., at Hillcrest, caused through a fall of coal. He was working along with his partner, at the face of 867 pillar, taking down top coal, when a large piece fell behind him, striking his back. Fractured spine and upper ribs, also bruising of left kidney, causing complete paralysis. He died 24 hours later from respiratory failure, caused by above injuries.

Alexander S. Cornett, blacksmith, age 52 years, on November 26th, at the mine operated by the International Coal and Coke Co., Ltd., at Coleman, caused through his being kicked by a horse. He was taking a shoe to fit on a horse which he was shoeing, and when placing his hand on the horse, coughed. The horse became frightened and kicked out with both hind feet, striking him in the stomach. Interabdominal haemorrhage through ruptured liver, which caused his death 36 hours later.

Ishmael Cunnah, miner, age 36 years, on December 5th, in the mine operated by the Newcastle Coal Co., Ltd., at Drumheller, caused through a fall of rock. He was loading coal at the face of 57 room 3 W. entry when a large piece of rock fell from the roof, striking him and knocking him down. Right thigh fractured in two places, also skull, pelvis and left ankle fractured, from the effects of which he died two hours later in hospital.

Charles Hulme, overman, age 48 years, on December 9th, in the mine operated by Mike Sinoski, near Edmonton, caused through being struck by runaway cars at foot of slope. He was standing on the parting at the foot of the slope awaiting the return of an empty car from the surface. The car became detached from the rope and ran down the slope, striking him and crushing him against a loaded car. Badly lacerated and bruised head, also internal injuries, from the effects of which he died in the hospital two hours later.

Albino Simeoni, machine man, age 34 years; Bill Lukacs, driver, age 27 years; John Sarog, loader, age 58 years; Andro Prokop, machine man, age 33 years; Evaristo Rota, machine man's helper, age 36 years; Anthony Gresl, driver, age 32 years; Fred Gresl, pipeman, age 29 years; Louis Gresl, pipeman, age 38 years; John Cook, machine man's helper, age 31 years; Angelo

Ermacora, loader, age 61 years; Harry Dugan, driver boss, age 39 years; Leo Gossul, loader, age 42 years; Kyfa Zonurchuk, loader, age 38 years; Eben Williams, loader, age 51 years; James Workman, loader, age 67 years; Mike Kadilak, loader, age 48 years; on December 9th, in the mine operated by the Lethbridge Collieries, Ltd., at Coalhurst, caused through an explosion of methane. All of the above were dead when found. The cause of the explosion at the time of making this report is not decided.

Accidents as they occurred by months during the year 1935:

Months	Above Ground			Under Ground			Total Above and Under Ground		
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
January	2	1	4	7	2	6	20	28	35
February			2	2	1	3	6	10	12
March			1	1	3	7	3	13	13
April						3	5	8	9
May		1		1		1	3	4	5
June					2	3	2	5	5
July	2	1	1	3		3	2	9	10
August		1	5	6	2	2	5	9	15
September			4	4	1	4	6	11	15
October		1		1	2	10	5	17	18
November	1		4	5	1	11	20	32	37
December			1	1	18	7	16	41	42
<b>Total</b>	<b>3</b>	<b>6</b>	<b>22</b>	<b>31</b>	<b>32</b>	<b>60</b>	<b>91</b>	<b>183</b>	<b>214</b>

Accidents occurring in the Province above and under ground during the year 1935:

Cause	Above Ground			Under Ground			Total Above and Under Ground		
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Haulage .....					6	17	26	49	49
Fall of rock .....					5	19	14	38	38
Fall of coal .....	1			1	3	15	9	27	28
Shot-firing .....		3		3		1	5	6	6
Compressed air .....						1	1	1	1
Electric coal-cutting .....					16	1	3	5	5
Ignition of gas .....						16	6	22	22
Asphyxiation .....					1			1	1
Loading coal and rock .....							10	10	10
Timbering .....						1	6	7	7
Shaft sinking .....						1		1	1
Caging .....						1	1	2	2
Electricity .....		1		1			2	2	3
Tipple machinery .....		3		3					3
Box car loader .....			2	2					2
Railroad cars .....	1	1	1	3					3
Miscellaneous .....	1	5	12	18		4	8	12	30
Total .....	3	6	22	31	32	60	91	183	214

Accidents occurring in the Province above and under ground for the year 1935, classified according to the areas in which they occurred:

## DOMESTIC

Area	Above Ground			Under Ground			Total Above and Under Ground	
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total
Ardley		1		1			1	1
Carbon					1		1	2
Castor							3	3
Champion						1	1	2
Drumheller					2	26	13	41
Edmonton		2	4	6	1	7	26	34
Lethbridge					17	4	14	35
Milk River		2		2			1	1
Pembina							3	5
Sheerness			3	3				3
Total		3	11	14	21	38	63	136

## SUB-BITUMINOUS

Coalspur	1	1	7	9			3	3	12
Prairie Creek			1	1			3	3	4
Saunders					2		4	6	6
Total	1	1	8	10	2		10	12	22

## BITUMINOUS

Cascade	1			1			2	3	5	6
Crowsnest	1	1	1	3	5	16	9	30	33	
Mountain Park		1	2	3	3	3	4	10	13	
Nordegg					1	1	2	4		
Total	2	2	3	7	9	22	18	49	56	

DOMESTIC

Cause	Above Ground			Under Ground			Total	
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total
Rope Haulage, repairing sheave wheel, struck by a car .....	.....	.....	.....	.....	1	1	1	1
Rope Haulage, struck by a rope .....	.....	.....	.....	.....	1	1	1	1
Rope Haulage, struck by a runaway car on slope .....	.....	.....	.....	.....	1	1	1	1
Horse Haulage, caught between car and door .....	.....	.....	.....	.....	1	1	1	1
Horse Haulage, tripped over tail-chain, jammed between car and timber .....	.....	.....	.....	.....	1	1	1	1
Horse Haulage, switching cars, slipped and fell against car .....	.....	.....	.....	.....	1	1	1	1
Horse Haulage, slipped on rail, ankle jammed between cars .....	.....	.....	.....	.....	1	1	1	1
Horse Haulage, trying to stop car, knee dislocated .....	.....	.....	.....	.....	1	1	1	1
Horse Haulage, crushed between two trips of cars .....	.....	.....	.....	.....	2	2	2	2
Horse Haulage, stumbled and fell under cars .....	.....	.....	.....	.....	1	1	1	1
Horse Haulage, arm jammed between derailed car and timber .....	.....	.....	.....	.....	1	1	1	1
Horse Haulage, kicked by horse when passing same car .....	.....	.....	.....	.....	1	1	1	1
Horse Haulage, trying to stop car, knee jammed between car and timber .....	.....	.....	.....	.....	1	1	1	1
Horse Haulage, light went out, jammed between car and timber .....	.....	.....	.....	.....	1	1	1	1
Horse Haulage, struck by cars when coupling same car .....	.....	.....	.....	.....	1	1	1	1
Storage Battery Locomotive, coupling cars .....	.....	.....	.....	.....	2	2	2	2
Manual Haulage, crushed between cars .....	.....	.....	.....	.....	1	1	1	1
Manual Haulage, turning car, stepped on a nail .....	.....	.....	.....	.....	1	1	1	1
Manual Haulage, foot crushed by derailed car .....	.....	.....	.....	.....	1	1	1	1
Manual Haulage, foot caught between switchpoints on track .....	.....	.....	.....	.....	1	1	1	1
Manual Haulage, slipped when replacing a derailed car .....	.....	.....	.....	.....	2	2	2	2
Manual Haulage, jammed between car and roof of entry .....	.....	.....	.....	.....	2	2	2	2
Manual Haulage, hand jammed between top of car and timber .....	.....	.....	.....	.....	1	1	1	1
Manual Haulage, head jammed between car and timber .....	.....	.....	.....	.....	1	1	1	1
fall of rock at face of entry .....	.....	.....	.....	.....	5	5	5	5
fall of rock on entry .....	.....	.....	.....	.....	1	1	1	1
fall of rock at face of room .....	.....	.....	.....	.....	6	6	6	6
fall of rock in pillar workings .....	.....	.....	.....	.....	1	1	1	1
fall of rock while timbering .....	.....	.....	.....	.....	2	2	2	2
fall of rock at long wall face .....	.....	.....	.....	.....	3	3	3	3
fall of coal at face of room .....	.....	.....	.....	.....	1	1	1	1
fall of coal while timbering .....	.....	.....	.....	.....	2	2	2	2
fall of coal at long wall face .....	.....	.....	.....	.....	1	1	1	1
fall of coal at face of room whilst undercutting .....	.....	.....	.....	.....	12	12	12	12

## THE MINES BRANCH

## DOMESTIC—Continued

Cause	Above Ground			Under Ground			Total Above and Under Ground	
	Fatal	serious	Slight	Total	Fatal	Serious	Slight	Total
Shot-firing, struck by flying coal, shot blew through a pillar								4
Shot-firing, went back too soon, struck by flying coal from shot								1
Shot-firing, struck by flying coal from shot in stripping pit								2
Electric coal-cutting machine, caught in cutter chain								1
Electric coal-cutting machine, struck by swinging cutter-bar whilst moving machine								1
Electric coal-cutting machine, moving machine, foot caught in sprocket, chain								1
Electric coal-cutting machine, changing picks, base of thumb pincered by pick								1
Electric coal-cutting machine, hand jammed on cutter-jack								1
Ignition of gas, explosion								1
Loading coal, hand jammed between coal and the roof								22
Loading coal, slipped, straining muscles								1
Loading coal, lump fell on to foot								1
Timbering, fall of timber when placing same								2
Shaft sinking, struck by piece of rock falling down shaft								3
Caging, taking car props off cage, hand jammed by rolling prop								3
Caging, pulling car off cage, foot slipped under cage								1
Electricity, plugging in trailing cable, eyes burnt by flash								1
Electricity, pulling switch causing an arc								1
Electricity, reeling trailing cable, hand burnt by short circuit								1
Tipple machinery, sleeve caught on set-screw, arm burnt								1
Box-car loader, using pinch-bar, box-car loader, foot injured								1
Box-car loader, slipped and fell against the loader								1
Railroad cars, pulling cable, slipped, strained side								1
Railroad cars, repairing chute, fell off railroad car								1
Miscellaneous, lowering set of iron stairs, hand jammed								1
Miscellaneous, flanging a plate, piece of steel flew in eye								1
Miscellaneous, unloading conveyor troughs, edge fell on leg								1
Miscellaneous, foot caught in pump gears								1
Miscellaneous, using an axe which slipped, cutting off finger								1
Miscellaneous, unloading a motor which fell on foot								1
Miscellaneous, lifting a rail which fell on foot								1
Miscellaneous, repairing track, hand struck by hammer								1
Miscellaneous, breaking coal, pick struck leg								1
Miscellaneous, end gate of truck fell on foot								1
Miscellaneous, sliding down rope, fell to ground								2
Miscellaneous, slipped and fell off riveting platform on to tipple								2
Miscellaneous, struck by coal flying from pick, eye injured								2
Total	3	11	14	21	38	63	122	136

## SUB-BITUMINOUS

## BITUMINOUS

Rope Haulage, hand caught between top of car and rail hoisting device .....	1
Slope Haulage, head jammed between top of car and roof .....	1
Slope Haulage, fell in front of moving trip .....	1
Slope Haulage, straggling cars, leg caught between cars .....	1
Horse Haulage, moving timber which fell on to foot .....	1
Horse Haulage, fell in front of moving trip .....	2
Compressed air locomotive haulage, struck by charging connection .....	1
Compressed air locomotive haulage, caught between derailed car and locomotive .....	1
Compressed air locomotive haulage, caught between door frame and locomotive .....	1
Manual Haulage, jammed between car and timber .....	1
fall of rock in face of crosscut .....	1
fall of rock in pillar workings .....	1
fall of rock while timbering .....	1
fall of rock at long wall face .....	1

## THE MINES BRANCH

## BITUMINOUS FIELD

Cause	Above Ground			Under Ground			Total	
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total
Tall of coal at face of entry.....					1	2	3	3
Tall of coal at face of room.....					2	3	6	6
Tall of coal in pillar workings.....					1	1	1	6
Shot-firing, drilled into unexploded powder.....					1	1	1	1
Ball into chute.....					1	1	1	2
Timbering, using an axe which slipped, cutting hand.....					1	1	1	1
Timbering, timber rolled when erecting same.....					1	1	1	1
Asphyxiation by methane.....					1	1	1	1
>Loading rock, hand jammed between rock and top of car.....					1	1	1	1
Rock tunnel, slipped when tightening drill bar.....					1	1	1	1
Breaking coal with a hammer which slipped, striking hand.....					1	1	1	1
Railroad cars, fell in front of moving cars.....					1	1	1	1
Mobile machinery, hand caught between belt and rollers.....					1	1	1	1
Timbering, unloading timber, hand crushed between timber and roof.....					1	1	1	1
Miscellaneous, shovelling rock, slipped and fell.....					1	1	1	1
Miscellaneous, moving niggerhead, slipped and fell.....					1	1	1	1
Miscellaneous, kicked by horse when passing same.....					1	1	1	1
Miscellaneous, carrying small door which slipped and fell on to foot.....					1	1	1	1
Miscellaneous, putting timber in car, slipped and fell.....					1	1	1	1
Miscellaneous, taking timber down chute, hand jammed between timbers.....					2	2	2	2
Miscellaneous, kicked by horse whilst shoeing same.....					1	1	1	1
Miscellaneous, slipped off ash car.....					1	1	1	1
Miscellaneous, hand jammed between steel damper and girders.....					1	1	1	1
Miscellaneous, cutting lumber with circular saw, hand cut.....					1	1	1	1
Miscellaneous, moving fan casing, which fell on leg.....					1	1	1	1
Total.....	2	2	3	7	9	22	18	49

Accidents during 1935, classified according to the Mine in the Domestic Field in which they occurred:

Name of Operator	Area	Above Ground		Under Ground		Total		Total Above and Under Ground
		Fatal	Serious	Fatal	Serious	Fatal	Serious	
Carl Kurp						1	1	1
Super-Heat Coal Co., Ltd.						1	1	1
Canadian Dinant Coal Co., Ltd.						1	1	1
H. H. Oliphant						2	2	2
Ose & King						1	1	1
J. Wilkinson						1	1	1
A. M. S. McGaw						1	1	1
Novak & Vanbesien						1	3	3
Newcastle Coal Co., Ltd.						1	3	3
Midland Coal Mining Co., Ltd.						1	3	3
Red Deer Valley Coal Co., Ltd.						4	7	7
Regal Coal Co., Ltd.						2	1	6
Great West Coal Co., Ltd.						1	1	1
Rosedale Collieries, Ltd., No. 2						1	2	2
Alberta Block Coal Co., Ltd.						2	2	2
Murray Collieries, Ltd.						1	2	2
Western Gem Coal Co., Ltd.						1	3	3
Maple Leaf Minerals Ltd.						1	1	1
Cambrian Coal Co., Ltd.						1	1	1
Elgin Coal Co., Ltd.						1	1	1
Ideal Coal Co., Ltd.						1	2	2
Brilliant Coal Co., Ltd.						2	2	2
Atlas Coal Co., Ltd.						2	1	3
Empire Collieries, Ltd., No. 2						1	1	1
Empire Collieries, Ltd., No. 1						1	1	1
Great West Coal Co., Ltd.						5	6	6
Dawson Coal Ltd.						1	3	3
Penn Coals, Ltd.						1	1	1
Marcus Coals, Ltd.						1	2	2
Long Coal Co.						1	1	1
Mike Shnoki						1	1	1
Roberts Coal Co.						1	1	1
Kent Coal Co., Ltd.						1	2	2
Canadian Pacific Railway (Dept. of Natural Resources)						1	1	1
Royalties Oil & Share Corporation, Ltd.						1	4	4
Lethbridge Collieries, Ltd. (Coalhurst)						16	7	23
Royal Lethbridge Collieries						1	1	1
Cadillac Coal Co., Ltd.						1	1	1
Lethbridge Collieries, Ltd. (Cadillac)						2	2	2
Canadian Pacific Railway (Dept. of Natural Resources), No. 8	Lethbridge							1

## THE MINES BRANCH

## DOMESTIC—Continued

Name of Operator	Area	Above Ground		Under Ground		Total Silent Total Above and Under Ground
		Patel	Serious	Patel	Serious	
Lethbridge Collieries Ltd., No. 8 Mine	Lethbridge	1	1	2	1	2
Tim Speed	Milk River	.....	.....	1	1	1
Royalties Oil & Share Corporation, Ltd.	Pembina	.....	1	1	2	3
Lakeside Coals, Ltd.	Pembina	.....	1	1	1	2
Leavell Coal Co., Ltd.	Sheerness	.....	3	3	1	3
<b>Total</b>		3	11	14	21	136

## SUB-BITUMINOUS

Sterling Collieries Co., Ltd.	Coalspur	Above Ground		Under Ground		Total Silent Total Above and Under Ground
		Patel	Serious	Patel	Serious	
McLeod Coals, Ltd. (Robb)	Coalspur	1	1	2	1	2
McLeod River Hard Coal Co., Ltd.	Coalspur	.....	1	1	1	2
Coal Valley Mining Co., Ltd.	Coalspur	.....	6	6	1	2
Jasper Coal, Ltd.	Prairie Creek	1	1	2	3	6
Bighorn & Saunders Creek Collieries, Ltd.	Saunders	.....	.....	2	2	4
Alexo Coal Co., Ltd.	.....	.....	.....	2	2	2
<b>Total</b>		1	1	8	10	22

## BITUMINOUS

Canmore Coal Co., Ltd.	Cascade	Above Ground		Under Ground		Total Silent Total Above and Under Ground
		Patel	Serious	Patel	Serious	
Hillcrest Collieries, Ltd.	Crowsnest	1	1	2	3	6
West Canadian Collieries, Ltd. (Bellevue)	Crowsnest	.....	.....	1	1	6
International Coal & Coke Co., Ltd.	Crowsnest	1	1	2	4	7
Mohawk Bituminous Mines, Ltd.	Crowsnest	.....	.....	1	1	4
McGillivray Creek Coal & Coke Co., Ltd.	Crowsnest	.....	.....	1	1	3
West Canadian Collieries, Ltd. (Blairmore)	Crowsnest	1	1	2	3	5
Mountain Park Collieries, Ltd.	Mountain Park	.....	1	1	2	6

		Mountain Park	Mountain Park	1	1	1	1	2	4	5
		Mountain Park	Mountain Park	1	1	1	1	2	4	1
		Nordeg	Nordeg	.....	.....	.....	.....	2	4	4
Cadomin Coal Co., Ltd.										
Luscar Collieries, Ltd.										
Brazeau Collieries, Ltd.										
Total.....		2	2	3	7	9	22	18	49	56

## SUMMARY

## THE MINES BRANCH

LIST OF PROSECUTIONS INSTITUTED UNDER THE COAL-MINES REGULATION ACT DURING 1935:

Mine in which Contravention was Committed	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
Royalties Oil & Share Corp., Ltd. (Coalhurst)	Shot-firer	Failed to see that all persons were out of reach of danger before firing a shot	Convicted	Fined \$1.00	\$ 2.00
J. J. Mills (formerly)	Farmer	Operated mine without an overman in charge	Convicted	Fined \$1.00	1.75
	Farmer	Operated mine without an overman in charge	Convicted	Fined \$1.00	1.75
	Miner	Worked in mine contrary to provisions of Act re inspection before commencing work	Convicted	No Fine	1.75
	Miner	Worked in mine contrary to provisions of Act re inspection before commencing work	Convicted	No Fine	1.75
Illegal Mine	Miner	Operated a mine without an overman in charge	Convicted	Fined \$5.00	3.75
Illegal Mine	Miner	Operated a mine without an overman in charge	Convicted	Fined \$5.00	3.75
Illegal Mine	Miner	Operated a mine without an overman in charge	Convicted	Fined \$5.00	2.45
Balogh Coal Co., Ltd.	Miner	Obtaining work through fraudulent certificate	Convicted	Fined \$5.00 and costs	2.45
Balogh Bros.	Miner	Obtaining work through fraudulent certificate	Convicted	Fined \$5.00 and costs	2.45
P. A. Whittaker	Owner	Operated mine without overman in charge	Convicted	Fined \$5.00	3.90
P. A. Whittaker	Miner	Entering mine without mine being examined by a competent person	Convicted	Fined \$1.00	3.20
P. A. Whittaker	Miner	Entering mine without mine being examined by a competent person	Convicted	Fined \$1.00 and costs	3.20
J. H. Oliphant	Miner	Obtaining work by false representation	Convicted	Fined \$25.00 and costs or 30 days' hard labour	2.87
Balogh Bros.	Miner	Obtained work by false representation	Convicted	Fined \$25.00 and costs or 30 days' hard labour	4.45
J. H. Oliphant	Miner	Obtained work by false representation	Convicted	Fined \$15.00 and costs or 30 days' hard labour	2.45
Murray Collieries, Ltd.	Overman	Allowed M. Swanston to work at working face as a coal-miner while he was not the holder of a coal-miner's certificate	Convicted	Fined \$25.00	.....
Murray Collieries, Ltd.	Driver	Worked at the coal face as a coal-miner while he was not the holder of a coal-miner's certificate	Convicted	Fined \$25.00	3.25
Empire Collieries, Ltd. (Barnwell)	Overman and Examiner	Failed to make inspection and post report within four hours of commencement of shift	Convicted	Fined \$10.00	.....
Maple Leaf Minerals, Ltd.	Miner	Worked at the working face of a coal-mine not then and there being the holder of a coal-miner's certificate or a first, second or third class certificate, under the Coal-mines Regulation Act	Convicted	Fined \$15.00	.....

PROSECUTIONS UNDER THE COAL-MINES REGULATION ACT, RE COAL-MINERS' CERTIFICATES, held at Edmonton, during 1935:

Name of Accused	Occupation	Offence	Convicted	Penalty	Costs
Joe Kizior	Miner	Uttering forged document in connection with coal-miners' certificates	Case dismissed		
Joe Kizior	Miner	Forgery in connection with coal-miners' certificates	Case dismissed		
Joe Kizior	Miner	Obtaining forged document in connection with coal-miner's certificates	Convicted	6 months in Fort Saskatchewan Gaol	
Harry Katzan	Miner	Obtaining employment at mine with false certificate	Case withdrawn		
Mike Lopicki	Miner	Obtaining employment at mine with false certificate	Convicted	Fined \$5.00 and costs or 15 days	\$4.00
John Simko	Miner	Obtaining employment at mine with false certificate	Convicted	Fined \$5.00 and costs	2.85
John Simko	Miner	Availing himself personally at examination for coal-miners' certificates	Convicted	Fined \$5.00 and costs or 10 days	3.00
Tony Rembisz	Miner	Obtained employment at mine with false certificate	Convicted	Fined \$5.00 and costs or 10 days	3.25
John Chesluk	Miner	Obtained employment at mine with false certificate	Convicted	Fined \$5.00 and costs	7.00
Jake Kizior	Miner	Obtained employment at mine with false certificate	Convicted	Fined \$5.00 or 10 days	
Jake Kizior	Miner	Availing himself personally at examination for coal-miners' certificates	Convicted	Fined \$5.00 and costs	2.50
Felix Mish	Miner	Uttering forged document in connection with examination for coal-miners' certificates	Convicted	1 year in Fort Saskatchewan Gaol	
Felix Kurowski	Miner	Uttering forged document in connection with examination for coal-miners' certificates	Convicted	1 year in Fort Saskatchewan Gaol	
Felix Kurowski	Miner	Perjury in connection with coal-miners' certificates	A Stay of Proceedings entered		
John Palou	Miner	Perjury in connection with issue of coal-miner's certificate No. 2494 to John Simko, Nov. 29, 1933	A Stay of Proceedings entered		
John Palou	Miner	Perjury in connection with duplicate certificate 12541 to himself, June 5th, 1930	Convicted	2 years in Prince Albert Penitentiary	
John Palou	Miner	Forgery in connection with the issue of coal-miner's certificate, Dec. 15th, 1935	Convicted	2 years in Prince Albert to run concurrently with sentences on 2 other convictions	
John Palou	Miner	Personating at an examination for coal-miner's certificate	Convicted	6 months to run concurrently with above sentences	
John Palou	Miner	Perjury in connection with the issuing of certificate to John Simko	Case dismissed		

## THE MINES BRANCH

Number of Mines opened, abandoned, and re-opened according to Areas and Kind of Coal, during the year:

Area	Area Number	Character of Coal	No. of Mines in operation Dec. 31, '35				Name and Address of District Inspector of Mines
			No. of Mines opened during year	Mines re-opened during year	Mines closed but not abandoned during year	Mines abandoned during year	
Ardley	1	Domestic	13	2	...	1	
Big Valley	2	Domestic	6	1	...	1	
Camrose	5	Domestic	8	...	...	1	
Carbon	6	Domestic	18	2	...	1	
Castor	8	Domestic	34	2	1	6	
Edmonton	15	Domestic	33	2	1	2	
Rochester	35	Domestic	2	1	...	...	
Tofield	42	Domestic	4	...	...	...	
Wetaskiwin	45	Domestic	3	3	...	...	
Brooks	3	Domestic	3	1	...	1	
Champion	9	Domestic	11	...	1	1	
Lethbridge	20	Domestic	19	...	...	2	
Magrath	21	Domestic	1	...	1	1	
Milk River	22	Domestic	3	...	...	1	
Pakowki	28	Domestic	6	...	...	1	
Redcliff	34	Domestic	2	...	...	...	
Taber	41	Domestic	12	1	...	1	
Coalspur	11	Sub-Bituminous	6	...	...	...	
Mountain Park	24	Bituminous	3	...	...	4	
Pembina	31	Domestic	3	...	...	...	
Prairie Creek	33	Sub-Bituminous	2	...	...	...	
Crowsnest	12	Bituminous	8	...	1	...	
Cascade	7	Bituminous	2	...	...	...	
Drumheller	14	Domestic	8	...	...	2	
(Wayne)							
Gleichen	17	Domestic	2	1	...	1	
Nordegg	25	Bituminous	1	...	...	1	
Pekisko	30	Sub-Bituminous	4	1	1	1	
Pincher	32	Sub-Bituminous	2	...	...	1	
Saunders	36	Sub-Bituminous	2	...	...	...	
No Area		Sub-Bituminous	1	...	...	...	
Drumheller	14	Domestic	21	2	2	2	
Gleichen	17	Domestic	2	...	...	1	
Sheerness	38	Domestic	16	...	1	...	
Halcourt	18	Domestic	6	...	1	...	
Rochester	35	Domestic	1	...	2	...	
Whitecourt	46	Domestic	1	1	...	1	
No Area		Domestic	2	...	...	...	
Total			271	17	10	13	33

In addition to the above, Mr. James A. Richards, 11009 89th Ave., Edmonton, is acting in the capacity of General District Inspector of Mines, Telephone No. 32662.

## BOARD OF EXAMINERS

The Board during the year 1935 consisted of the following:  
As representing:

- (a) The Mine Inspectorate:  
Andrew A. Millar, Chief Inspector of Mines.
- (b) Managers:  
Norman Fraser, Robert Livingstone.
- (c) Working Miners:  
William Lammie, Evan Morgan.
- Secretary:  
James A. Richards.

Examinations during the year were held as follows:

For third class at the following centres: Drumheller, May 7, 8 and 9; Edmonton, May 7, 8 and 9; Blairmore, May 7; Lethbridge, May 7 and 8; Grande Prairie, May 8 and 9; Nordegg, May 15.

For first and second class on June 5, 6 and 7 at Blairmore, Cadomin, Drumheller and Edmonton.

For mine surveyors' on June 7 at Blairmore and Drumheller.

Eight candidates presented themselves for examination for first class certificates, of whom one was successful.

Seventeen candidates presented themselves for examination for second class certificates, of whom four were successful.

Forty-eight candidates presented themselves for examination for third class certificates, of whom thirty-five were successful.

Two candidates presented themselves for examination for mine surveyors' certificates, one of whom was successful.

The successful candidates are in the list following herewith:

List of Names of Holders of First Class Certificates Issued by the Government of the Province of Alberta to December 31, 1935.

Name	Address	Cert. No.	Date of Issue
Aspinall, Francis	Vancouver	22	1- 3-09
Ashburner, Edward	Medicine Hat	40	9-12-10
Allen, Peter	Wayne	72	5-11-12
Bradshaw, G. W.	Nanaimo, B.C.	61	16- 5-05
Broome, G. H.	New Zealand	46	28-11-04
Brown, J.	Calgary	18	24- 8-03
Baxter, Andrew W.	Calgary	47	22-12-10
Barnes, Arthur W.	Montana	74	7-11-12
Brydon, Andrew D.	England	4	19- 9-14
Blake, Henry	Blairmore	25	27- 7-17
Brown, Hugh R.	Carbon	26	28- 6-18
Bilson, George H.	Rhodesia	27	28- 6-18
Brown, R. J.	Montana	30	2- 7-18
Brown, Thomas	Edmonton	42	5- 9-19
Blair, John	Wayne	55	24- 7-24
Collins, W. F.	Blairmore	24	31-10-09
Coulthard, R. W.	Toronto (duplicate)	24	11-10-09
Church, J. A. H.	Nova Scotia	11	23- 1-08
Clyne, James	Edmonton	69	18- 3-12
Crowder, Harry	Drumheller	5	18- 9-14
Cranston, Michael	Drumheller	35	2- 7-19
Coupland, Edward	Cadomin	56	24- 7-24
Crawford, Alexander	Edmonton	61	24- 7-25
Crawford, John	Edmonton	65	26- 7-26
Chavignaud, Louis G.	Hinton	71	6- 8-27
Drinnan, R. G.	Edmonton	29	30- 1-04
Dunn, A. C.	Edmonton	18	13- 1-09

## List of Names of Holders of First Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Davis, David	Edmonton	62	28-11-11
Duggan, William H.	Foothills	85	29- 7-13
DeHart, Joseph B.	Lethbridge	86	29- 7-13
Dennis, Fred W.	England	12	28-10-15
Davidson, David	Alexo	15	12- 8-16
Donaldson, Chris S.	Lethbridge	20	17- 7-17
Davies, Thomas O.	Calgary	22	17- 7-17
D'Altroy, Arthur C.	B.C.	53	17- 8-23
Davidson, J. M.	Coalhurst	75	23- 7-29
Dutton, Joseph A.	Mountain Park	4	25- 7-32
Dalziel, Robert	Beverly	8	29- 7-33
Emmerson, J.	Frank	50	13- 4-05
Emmerson, C.	Bellevue	49	9- 1-05
Elliott, D.	Blairmore	20	13-10-03
Ellis, W.	Champion	15	8- 1-09
Emerson, J.	Bellevue (duplicate)	41	25- 8-19
Flint, W. G.	Edmonton	56	13- 4-05
Finlayson, J.	Bassano	30	10- 2-04
Fraser, Norman	Edmonton	1	21-12-05
Ferguson, C. J.	Edmonton	23	17- 7-17
Foster, William	Robb	40	12- 8-19
France, Thomas	Priddis	44	8-10-19
Green, R.	Calgary	58	26- 4-05
Graham, C.	Prince Rupert, B.C.	7	27- 2-06
Givin, Homer H.	Virginia, U.S.A.	57	23-11-11
Gray, David	Washington, U.S.A.	65	4-12-11
Guernsey, Forbes W.	Vancouver, B.C.	80	18-12-12
Gotheridge, William T.	Round Hill	54	16- 7-24
Henrietta, Chas. M.	Byseville, Ohio	26	24-11-03
Hargreaves, James	Victoria, B.C.	9	25- 6-01
Hardie, W. D. L.	Lethbridge	2	15-10-98
Hamilton, Robert	Three Hills	4	3- 1-07
Horne, Thomas	Edson	6	26-12-07
Hart, John	Edmonton	23	23- 3-09
Horne, Robert	Wabamun	12	7- 1-09
Howells, Nathaniel	Wayne	64	4-12-11
Hunter, A. B.	Drumheller	14	12- 8-16
Higgins, Alexander	Calgary	19	7- 7-17
Heeley, William G.	Calgary	36	3- 7-19
Hetherington, W. B.	B.C.	38	9- 7-19
Howden, A. B.	Scotland	50	1- 8-21
Hamilton, Alan	Drumheller	52	17- 8-23
Hall, William E. G.	Blairmore	58	20- 7-25
Hnatyshyn, A. C.	Luscar	6	22- 3-33
Hibbert, W. J.	Dinant (duplicate)	7	29- 7-33
Jones, Samuel A.	Nanaimo, B.C.	57	26- 4-05
Jones, David	Edmonton	67	27-11-11
Jordan, William	Drumheller	11	9- 9-15
Jones, Griffith	Nacmine (Interchange)	63	21-10-25
Kerr, Alex.	Tonkin, B.C.	27	18-12-03
Knox, Thomas K.	Coal Creek, B.C.	28	30-11-09
Kellock, George	Coleman	59	23-11-11
Kellock, James	Edmonton	76	8- 8-30
Little, John	CoalfIELDS	5	2-12-98
Livingstone, Robert	Lethbridge	16	
Lewellyn, D. R.	Michel, B.C.	42	2- 7-04
Little, William F.	Canmore	4	29-12-05
Lee, Robert J.	Estevan, Sask.	56	23-11-11
Leblanc, Emile	Wayne	6	18- 9-14
Lindoe, Luke	Coleman	77	8- 8-30
Moore, Samuel M.	Bankhead	26	27-11-09

## List of Names of Holders of First Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Maxwell, William	Nova Scotia	27	29-11-09
Millar, Andrew A.	Edmonton	54	23-11-11
Musgrave, William	Canmore	76	11-11-12
Marshall, John W.	Evansburg	78	13-11-12
Mather, Thomas	Luscar	81	20- 7-13
Milne, Morgan C.	Virginia, U.S.A.	83	14- 7-13
Morgan, Owen	Saunders	51	17- 8-23
Morrison, Edward	Fernie, B.C. (Interchange)	62	28- 9-25
Morris, William	Clover Bar	1	26- 7-31
Millar, David	Mercoal	2	25- 8-31
Morgan, Evan H.	Edmonton	3	27- 9-31
McLean, Donald	Coalmont, B.C.	62	22- 5-05
McMillan, J. H.	Vancouver, B.C.	17	12- 1-09
McLenahan, J. A.	Lovett	39	13- 1-10
Macaulay, D. A.	Drumheller	42	9-12-10
McCullough, James	Vancouver, B.C.	41	17-12-10
McDonald, Duncan	Drumheller	60	23-11-11
Macaulay, Angus G.	Drumheller	9	16- 8-15
McDonald, Hector S.	Coleman	17	7- 7-17
McLeod, John A.	Cadomin	18	7- 7-17
McDonald, Noble M.	Bellevue	33	9- 7-18
McIntyre, John J.	Coleman	39	25- 7-19
McGuckie, Thomas M.	Wayne	43	1-10-19
McLean, Michael D.	Michel, B. C. (Interchange)	68	30- 8-26
Nugent, Bernard	Camrose	57	1- 8-24
O'Donnell, Thomas	Rosedale	61	28-11-11
Pearson, Robinson	Fernie, B.C.	11	19-11-01
Pearson, R. N.	Frank	38	10- 5-04
Powell, John W.	Virginia, U.S.A.	60	10- 5-05
Pitcher, Norman C.	Edmonton	75	11-11-12
Pickles, William	Edmonton	77	11-11-12
Puckett, Owen L.	Robb	29	3- 7-18
Pascoe, Thomas	Mountain Park	78	8- 8-30
Quigley, Daniel H.	Drumheller	28	26- 6-18
Richards, James A.	Edmonton	39	17- 5-04
Raisbeck, Luke	Aerial	47	28-11-04
Robertson, John	Drumheller	2	22-12-05
Russell, John	Round Hill	44	22-12-10
Reid, John	Oklahoma, U.S.A.	53	4-12-11
Reid, Adam H.	Oklahoma, U.S.A.	3	18- 9-14
Russell, James	Lethbridge	8	8-12-14
Robert, Louis P.	Bellevue	10	16- 8-15
Ramsay, P. M.	East Coulee	34	12-11-18
Richards, Russell	Blairmore	60	20- 7-25
Stockett, Thomas R.	Utah, U.S.A.	10	19-11-01
Simister, Chas.	Lundbreck	21	13-10-03
Shepherd, F. H.	Victoria, B.C.	34	2- 5-04
Symons, C. C.	Lethbridge	37	2- 5-04
Stockett, Lewis	Vancouver, B.C.	51	19- 1-05
Stirling, John T.	Scotland	8	10- 1-08
Scott, Alex.	Castor	5	26- 1-07
Sparrow, Edwin	Tawatinaw	13	7- 1-09
Scott, Andrew N.	Luscar	19	25- 1-09
Stevens, Leonard C.	Edmonton	31	2-12-09
Saville, Enoch O.	Taber	45	22-12-10
Stewart, Robert T.	Edmonton	50	12- 1-11
Shanks, John	Nordegg	51	17- 1-11
Stevenson, John	Glasgow, Scotland	68	6-12-11
Stevenson, William	Hillcrest	87	29- 7-13
Shanks, David	Nordegg	16	4-11-16
Smith, Thomas E.	Montana, U.S.A.	31	3- 7-18

## THE MINES BRANCH

## List of Names of Holders of First Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Stevenson, John	Hillcrest	46	26- 7-20
Stewart, James M.	Nordegg	48	26- 7-20
Scott, Thomas W.	B.C. (Interchange)	67	17- 8-26
Saudino, Jos. A.	Drumheller	5	25- 7-32
Smith, Terence	Edmonton	10	1- 8-35
Thorne, Benjamin L.	Calgary	32	2-12-09
Thain, Harry S.	Lethbridge	34	2-12-09
Thomas, John Ira	Edmonton	49	16- 1-11
Thomas, Willis P.	Diamond City	58	23-11-11
Tennant, Robert	Drumheller	59	20- 7-25
Whiteside, O. E. S.	Ontario	6	15-12-98
White, E. Proctor	Virginia, U.S.A.	8	17- 6-01
Waite, Archibald	Taber	15	9- 4-03
Wilson, Arthur R.	Nanaimo, B.C.	28	12- 1-04
Williams, T. H.	Vancouver, B.C.	10	18- 1-08
Watters, John	Banff	30	30-11-09
Watson, William	Drumheller	73	7-11-12
Williams, Thomas B.	Calgary	2	18- 9-14
Watters, Alexander G.	Banff	32	5- 7-18
Watson, Ronald H.	Edmonton	37	3- 7-19
Wilton-Clark, H. W.	Coleman	66	26- 7-27
Williams, Arthur E.	Saunders	69	1- 8-27
Wilson, Andrew	Drinnan	70	1- 8-27
Wilson, William	Drumheller	72	19- 7-28
Whittaker, William C.	Coal Valley	74	29- 7-28
Yates, Frank	Michel, B.C.	73	29- 7-28
Young, D. B.	Picture Butte	64	26- 7-26

## List of Names of Holders of Second Class Certificates issued by the Government of the Province of Alberta to December 31, 1935:

Aspinall, Frances	Vancouver, B.C.	27	27- 5-08
Allen, Peter	Wayne	72	20-12-11
Allen, William C.	Wayne	22	7- 9-15
Atherton, Edward	Sheerness	49	17- 7-17
Ashurst, William	Coleman	51	17- 7-17
Ashman, Alfred W.	East Coulee	88	3- 7-19
Adlam, William	Hillcrest	107	15- 7-19
Armstrong, John	Nordegg	110	16- 7-19
Adams, Thomas H.	Beverly	127	26- 7-20
Bastian, T. W.	Clover Bar	27	8- 4-05
Bowie, J.	Leduc	4	3- 1-07
Bamling, J.	Diamond City	44	2-12-09
Brockhouse, I. B.	Milk River	74	20-12-11
Bridge, Edward	Cumberland, B.C.	99	5-11-12
Brown, Alan J.	Coleman	105	7-11-12
Barclay, Andrew	Frank	111	18-11-12
Brown, William	Commerce	126	31- 7-13
Blake, Henry	Blairmore	128	31- 7-13
Brisco, Daniel	Luscar	19	21- 8-15
Bilson, George H.	Rhodesia	2	27- 8-14
Berford, Edward	Blairmore	27	12- 8-16
Barclay, William	Drumheller	54	10- 8-17
Bovio, M.	Bellevue	61	5- 7-18
Blair, John	Wayne	72	11- 7-18
Brearley, Garnett	Turin	78	23- 7-18
Brown, J. F.	Edmonton	84	28- 6-19
Ball, Benjamin	Michel, B.C.	101	8- 7-19
Badham, Thomas	Coleman	104	15- 7-19

## List of Names of Holders of Second Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Bainbridge, James	Nanaimo, B.C.	112	5- 8-19
Brooks, Burton T.	Drumheller	129	26- 7-20
Brady, John	Luscar	141	26- 7-20
Brown, Thomas	Edmonton	55	17-11-17
Briggs, William A.	Carbon	154	10-10-21
Bradley, Thomas	Bellevue	166	17- 8-23
Baybutt, Thomas	Hillcrest	168	17- 8-23
Blas, Emile	Wayne	169	17- 8-23
Boucher, Charles T.	Wayne	175	16- 7-24
Barrowman, Alexander	Ardley	182	14-11-24
Bainbridge, George E.	Nordegg	183	12-12-24
Birse, Alexander	Coalhurst	185	20- 7-25
Brown, Richard G.	Cadomin	192	30- 7-26
Burton, William H.	Edmonton	194	6- 8-26
Burton, John T.	Edmonton	212	23- 7-29
Barrie, John	Drumheller	8	26- 7-31
Boughton, C. A.	Rosedale	10	25- 7-32
Burton, James	Robb	13	25- 7-32
Burrell, Archibald K.	Drumheller	37	26- 7-34
Chestnut, C.	Vancouver, B.C.	30	18- 4-05
Clay, E.	Oxville	28	7- 1-09
Clyne, James	Edmonton	53	22- 4-10
Clemenson, John	Scotland	58	17-12-10
Cooke, Joseph	Burnmis	66	20- 2-11
Crowder, Harry	East Coulee	69	18-12-11
Coupland, George	Bellevue	77	21-12-11
Cranston, Michael	Drumheller	119	29- 7-13
Crawford, Alexander	Edmonton	125	31- 7-13
Campbell, K. S.	Beverly	132	31- 7-13
Coupland, Edward	Cadomin	8	18- 9-14
Coutes, George	Lethbridge	20	26- 8-15
Conlin, John	Drumheller	33	22- 8-16
Cox, John C.	Toronto	42	7- 7-17
Clark, Robert	Hardieville	43	7- 7-17
Crabb, Samuel A. B.	Lethbridge	52	17- 7-17
Crawford, John	Edmonton	64	6- 7-18
Crawford, William S.	Lethbridge	66	9- 7-18
Carson, James	Spring Point	82	17-10-18
Cartwright, Charles E.	Blairmore	85	2- 7-19
Clarkstone, W. W.	Fernie, B.C.	93	3- 7-19
Caufield, J.	Coal Creek, B.C.	105	15- 7-19
Carr, Thomas	Cadomin	117	1-10-19
Cole, J. J.	Canmore	126	26- 7-20
Congdon, Milton H.	Blairmore	158	1- 8-22
Campbell, Thomas	Drumheller	174	16- 7-24
Chavignaud, Louis G.	Hinton	195	17- 8-26
Castella, Jens	Standard	35	23- 7-34
Clyne, James M.	Edmonton	42	18- 7-35
Davies, D.	Edmonton	31	18- 4-05
Duggan, R. G.	Nanaimo, B.C.	19	26- 4-04
Davis, A.	Lethbridge	4	19-11-98
Dixon, S.	Commerce	24	8- 2-08
Davies, S.	Alexo	18	10- 1-08
Davies, John	Coleman	11	26-12-07
Dunn, J. P.	Edmonton	9	26-12-07
Davis, John	Lethbridge	31	11- 1-09
Davies, T.	Frank	54	22- 4-10
Davidson, David	Alexo	94	1-11-12
Davies, Thomas O.	Calgary	104	7-11-12
Dalziel, Robert	Clover Bar	122	31- 7-13
Dennis, F. W.	England	3	27- 8-14

## List of Names of Holders of Second Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Dewar, Alexander	Coleman	16	16- 8-15
Donaldson, C. S.	Lethbridge	35	25- 8-16
Duncan, N. S.	Dodds	100	8- 7-19
D'Altroy, A. C.	British Columbia	145	1- 8-21
Dieter, W. J.	Sheerness	167	17- 8-23
Davidson, John M.	Clover Bar	187	1- 8-25
Dutton, Joseph A.	Mountain Park	198	1- 8-27
Davidson, Albert M.	Dodds	202	20-12-27
Davey, George	Rosedale	209	29- 7-28
Deere, G. E.	Foothills	214	23- 7-29
Davies, J. C. H.	Blakeburn, B.C.	219	10- 9-30
Dixon, John O.	High River	220	10- 9-30
Donaldson, Adam	Lethbridge	40	13- 8-34
Emmerson, C.	Bellevue	3	15-11-98
Evans, T. R.	Coleman	137	31- 7-13
Embree, Merton B.	Evansburg	98	3- 7-19
Edwards, John	Cadomin	7	26- 7-31
Evans, Howell	Mountain Park	24	29- 7-33
Elkes, Frederick W.	Drumheller	33	23- 7-34
Flint, W. G.	Edmonton	16	
Francis, J.	Taber	29	8- 1-09
Fox, A.	Nevis	42	29-11-09
Foster, W. R.	Taber	51	24- 1-10
Fulton, James K.	Coleman	133	31- 7-13
Foster, William	Robb	14	16- 8-15
Finlay, Samuel	Clover Bar	25	12- 8-16
Ferguson, C. J.	Edmonton	38	30- 8-16
Fortner, Edward	Tennessee, U.S.A.	57	3- 7-18
France, Thomas	Priddis	67	9- 7-18
Fyvie, J.	Drumheller	109	16- 7-19
Fraser, James	Carbon	133	26- 7-20
Fyfe, Walter H.	Nelson, B.C.	142	26- 7-20
Ford, Allen	Michel, B.C.	146	1- 8-21
Fraser, Alex.	Carmangay	221	10- 9-30
Green, R.	Calgary	17	26- 4-04
Giffen, H. R.	Carbon	14	1905
Gilliland, William	Cardiff	61	17-12-10
Garbett, Richard	Corbin, B.C.	100	5-11-12
Garrett, John	Blairmore	123	31- 7-13
Givens, John	Wayne	99	8- 7-19
Graham, John	Coaldale	157	1- 8-22
Gidman, Joseph H.	Taber	165	29-12-22
Gordon, Thomas	Drumheller	184	27- 5-25
Gilmour, John	Drumheller	222	9- 2-31
Goodwin, Geo. W.	Bellevue	2	26- 7-31
Goodwin, Wm.	Bellevue	9	26- 7-31
Greenhalgh, R. M.	Coleman	11	25- 7-32
Gotheridge, W. V.	Round Hill	43	24- 7-35
Hall, Oliver	Bellevue	26	23-12-04
Harvie, Robert	Lethbridge	1	30- 5-06
Hutchinson, A. M.	Coleman	6	3- 1-07
Horne, Robert	Blairmore	12	26-12-07
Horswell, John	Edmonton	34	1- 2-09
Howells, Nathaniel	Wayne	55	25- 5-10
Hallworth, Albert	Bellevue	65	30- 1-11
Hamilton, Allan	Drumheller	78	21-12-11
Heeley, William G.	Calgary	80	22-12-11
Hill, James	Canmore	84	13- 1-12
Hutton, John	Edmonton	93	1-11-12
Hunter, Henry	Edmonton	102	7-11-12
Hughes, Daniel J.	Diamond City	110	13-11-12

## List of Names of Holders of Second Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Hartley, William	Bankhead	114	25-11-12
Hunter, Charles	Beverly	4	18- 9-14
Hunter, Alexander B.	Drumheller	7	18- 9-14
Harries, Henry C.	Coleman	9	18- 9-14
Heathcote, Joseph	England	10	18- 9-14
Hughes, William R.	Barnwell	13	6- 8-15
Halliday, George W.	Nanaimo, B.C.	31	22- 8-16
Hutton, David T.	Bellevue	44	10- 7-17
Hastings, Andrew P.	Champion	62	5- 7-18
Hargreaves, G.	Lethbridge	70	9- 7-18
Hutchison, P.	Ardley	102	10- 7-19
Hedges, Richard	Beverly	111	18- 7-19
Higney, John	Coalhurst	130	26- 7-20
Heap, Robert	Coalhurst	137	26- 7-20
Holmes, Robert	Coleman	144	6- 1-21
Hughes, John C.	Madrid	156	15-12-21
Hamilton, Joseph J.	Lethbridge	164	9- 9-22
Hall, James	Coal Creek, B.C.	190	26- 7-27
Hibbert, William J.	Dinant	191	26- 7-27
Harries, John	Wayne	213	23- 7-29
Hamilton, John	Delia	18	10- 8-32
Hulbert Havelock A.	Coleman	31	23- 7-34
Hamilton, Thomas M.	Blairmore	34	23- 7-34
Hooks, Albert	Drumheller	38	26- 7-34
Ironmonger, John	Hillcrest	60	5- 7-18
Jones, Samuel A.	Nanaimo, B.C.	18	26- 4-04
Jones, David	Edmonton	48	15-12-09
Jones, Peter	Drumheller	92	1-11-12
Jordan, William	East Coulee	112	20-11-12
Jackson, James	Bellevue	56	3- 7-18
Joberg, A. F.	Delia	68	9- 7-18
Jones, D.	Coalhurst	116	5- 9-19
Jones, Daniel	Edmonton	178	24- 7-24
Jones, Elias	Coleman	16	25- 7-32
Kerr, John	Lethbridge	33	6- 7-05
Kellock, George	Coleman	39	27-11-09
Kellock, James	Coleman	82	30-12-11
Keith, John D.	Coalhurst	107	11-11-12
Kaye, Hershel	Pocahontas	129	31- 7-13
Kerr, W. R.	Carbon	115	2- 9-19
Lowrie, Ralph	Stettler	34	6- 7-05
Livingstone, Robert	Lethbridge	6	5- 6-99
Livingstone, John C.	Lethbridge	5	19-11-98
Lee, Robert J.	Estevan, Sask.	56	17-12-10
Luck, George	Drumheller	70	19-12-11
Letcher, William M.	Bankhead	96	1-11-12
Leblanc, Emile	Wayne	127	31- 7-13
Littler, Robert	Michel, B.C.	6	18- 9-14
Lundy, James	Carbon	53	17- 7-17
Larrair, Charles F.	Hanna	74	12- 7-18
Lindoe, Luke	Coleman	170	1- 9-23
Littler, James	Michel, B.C.	200	12- 8-27
Lavis, George	East Coulee	218	10- 9-30
Musgrove, William	Canmore	32	6- 7-05
Miller, John K.	Drumheller	29	8- 4-05
Moore, Thomas E.	Drumheller	47	11-12-09
Miard, Harry K.	Coal Creek, B.C.	64	16- 1-11
Munro, William K.	Blairmore	76	21-12-11
Murphy, Peter J.	Drumheller	91	24- 8-12
Mather, Thomas	Luscar	106	11-11-12
Muir, David	Edmonton	108	11-11-12

## THE MINES BRANCH

## List of Names of Holders of Second Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Massey, Harry	Corbin, B.C.	116	25-11-12
Morgan, Owen	Saunders	121	29- 7-13
Mason, Samuel	Blairmore	130	31- 7-13
Mather, John	Edmonton	23	13- 9-15
Miller, Walter	Beverly	26	12- 8-16
Melling, Peter	Coalhurst	28	12- 8-16
Murray, J.	Coalhurst	90	3- 7-19
Mossey, Thomas	Lethbridge	95	3- 7-19
Makin, J. W.	Hillcrest	103	15- 7-19
Marsh, E.	Wayne	113	25- 8-19
Miller, John H.	Midlandvale	131	26- 7-20
Mackie, John	Bankhead	136	26- 7-20
Marsh, John H.	Midlandvale	153	1- 8-21
Meyers, August	Drumheller	172	18-12-23
Mossey, Robert	Frank	173	16- 7-24
Miller, David	Mercoal	204	19- 7-28
Miller, John K.	Drumheller (duplicate)	210	24-11-28
Morgan, Evan H.	Edmonton	215	23- 7-29
Marsh, Walter	Delburne	20	21- 9-32
Maievchi, John (May)	Edmonton	26	29- 7-33
Morgan, Thos. E.	Hillcrest	27	22- 8-33
McKean, John W.	Lethbridge	24	23-12-04
McGregor, Alex.	Cardiff	1	20-12-05
McLenhan, John A.	Lovett	33	1- 2-09
McDonald, Duncan	Drumheller	60	17-12-10
McMillan, Donald	Pincher Creek	71	20-12-11
MacDonald, James A.	Bellevue	79	21-12-11
MacKay, Angus	Nova Scotia	81	26-12-11
McIntyre, John J.	Coleman	88	2- 3-12
McDonald, J. O. C.	Coleman	15	16- 8-15
McDonald, Hector S.	Coleman	17	16- 8-15
McDonald, Noble M.	Bellevue	18	16- 8-15
McLellan, John A.	Mercoal	24	2-11-15
McFegan, William	South Wellington, B.C.	34	22- 8-16
McIntyre, John J.	Bellevue (duplicate)	41	9-12-16
MacDonald, J. H.	Nanaimo, B.C.	48	10- 7-17
McQueen, Andrew	Edmonton	71	9- 7-18
McKinnon, H. G.	Canmore	76	13- 7-18
MacAskill, Donald	Drumheller	77	16- 7-18
McLean, Michael D.	Michel, B.C.	122	26- 7-20
McKinnon, John J.	Cadomin	80	26- 7-18
McCullough, Alex.	Cadomin	143	10- 8-20
McGaw, A. M. S.	Carmangay	171	15- 9-23
McKenna, Peter	Cadomin	161	1- 8-22
MacDonald, William	Drumheller	155	10-10-21
MacDonald, Leslie M.	Bellevue	217	10- 9-30
McDonald, Clyde P.	Bellevue	1	26- 7-31
McGregor, Thos. B.	Lethbridge	19	10- 8-32
McGowan, John M.	Newcastle	36	26- 7-34
Nanson, Thomas H.	Bellevue	40	25- 9-16
Nicol, George	Drumheller	46	10- 7-17
Nugent, Bernard	Camrose	73	11- 7-18
Novak, Mike	Milk River	32	23- 7-34
Ostheide, Gus	Cardiff	1	14-11-98
Oliphant, Joseph H.	Carbon	59	17-12-10
Oliphant, John T.	Medicine Hat	153	1- 8-21
Ostler, James	Taber	160	1- 8-22
Ottewell, William J.	Clover Bar	176	16- 7-24
Ottewell, Cedric P.	Clover Bar	193	6- 8-26
Oakes, Robert	Blairmore	17	25- 7-32
Pearson, W. G.	Blairmore	15	26- 4-34

## List of Names of Holders of Second Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Parsons, T. Lloyd	Edmonton	26	21- 3-08
Pickles, William	Edmonton	35	1- 2-09
Prentice, John	Virginia, U.S.A.	45	2-12-09
Park, Stewart G.	Lethbridge	57	17-12-10
Parker, Levi	Cardiff	68	28- 4-11
Powell, Albert E.	Lundbreck	85	16- 1-12
Parry, Thomas	Coleman	109	12-11-12
Picton, Daniel	Aerial	118	10- 2-13
Penman, John S.	Rosénroll	120	29- 7-13
Puckett, Owen L.	Robb	50	17- 7-17
Park, William	Bellevue	65	6- 7-18
Pemberton, Geo. W.	Edmonton	97	3- 7-19
Peacock, Charles	Coalhurst	138	26- 7-20
Prendergast, Denis	Nova Scotia	188	26- 7-26
Pettigrew, Robert	Corbin, B.C.	30	27- 4-34
Potter, I. N.	Nacmine	44	15- 8-35
Quigley, Daniel H.	Drumheller	73	20-12-11
Queen, Andrew M.	Lethbridge	124	31- 7-13
Quin, James	East Coulee	23	29- 7-33
Rice, Awrey	Edmonton	2	20-12-05
Roberts, D. E.	Coleman	14	10- 1-08
Rankin, George	Michel, B.C.	41	29-11-09
Ramsey, Peter M.	East Coulee	86	24- 2-12
Roberts, E.	Rosedale	87	2- 3-12
Richards, Samuel	Bellevue	98	5-11-12
Roberts, John	Cadomin	12	26-10-14
Russell, John	Alix	29	12- 8-16
Robinson, William	British Columbia	30	22- 8-16
Rawlinson, R.	Cadomin	32	22- 8-16
Richards, Evan	Edmonton	59	3- 7-18
Roberts, G.	Lethbridge	79	23- 7-18
Roberts, D. O.	Cardiff	86	2- 7-19
Reed, Edward	Drumheller	135	26- 7-20
Ruffell, Alfred	Lethbridge	180	11- 8-24
Radford, James	Wayne	140	26- 7-20
Redpath, James	Wayne	147	1- 8-21
Rees, Daniel	Blairmore	189	26- 7-26
Rappel, Thomas	Canmore	206	19- 7-28
Rolfe, E.	B.C.	211	4- 2-29
Robertson, Duncan	Drumheller	29	10- 3-34
Steele, Thomas	Coleman	12	26- 4-04
Sequin, Joseph A.	Estevan, Sask.	22	16- 4-04
Sparrow, Edwin	Tawatinaw	7	3- 1-07
Scott, Andrew N.	Luscar	19	10- 1-08
Stewart, J. M.	Nordegg	50	24-12-09
Sihvon, William	East Coulee	40	29-11-09
Sloan, Thomas W.	Burmis	67	2- 3-11
Shaw, Thomas J.	Hinton	75	21-12-11
Strickland, Thomas	Three Hills	101	5-11-12
Scott, Alexander	Pocahontas	103	7-11-12
Schmidt, Otto P.	Camrose	115	25-11-12
Shanks, David	Nordegg	117	7-12-12
Stephenson, Joseph	Bellevue	135	31- 7-13
Stephenson, Thomas	Bellevue	136	31- 7-13
Smith, Thomas E.	Montana, U.S.A.	39	14- 9-16
Simpson, William G.	British Columbia	45	10- 7-17
Stevenson, John	Glasgow, Scotland	47	10- 7-17
Sinclair, James	Drumheller	81	7- 8-18
Sandino, J. A.	Drumheller	91	3- 7-19
Stratton, J. M.	Redcliff	94	3- 7-19
Saunt, James	Drumheller	123	26- 7-20

## List of Names of Holders of Second Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Steele, Francis M.	Calgary	125	26- 7-20
Scarpino, F.	Wayne	121	26- 7-20
Shaw, William G.	Kimberley	177	24- 7-24
Shaw, Joseph H.	Kimberley	196	22- 9-26
Smith, Terence	Beverly	205	19- 7-28
Swan, John	Edmonton	12	25- 7-32
Strang, David	Mountain Park	15	25- 7-32
Sutherland, S. R.	Bellevue	28	22- 8-33
Smith, Peter	Coleman	39	13- 8-34
Thomas, John	Diamond City	30	8- 1-09
Thain, Harry S.	Lethbridge	32	12- 1-09
Taylor, Geo. Warren	Lethbridge	83	30-12-11
Thomas, John	Frank	89	25- 3-12
Tonge, Thomas	Lundbreck	90	1- 6-12
Thompson, Joseph	Coleman	97	1-11-12
Thomas, Isaac	Coleman	131	31- 7-13
Tennant, Robert	East Coulee	58	3- 7-18
Tully, Thomas	Fernie, B.C.	75	12- 7-18
Thompson, T.	Coleman	87	2- 7-19
Thomason, C.	Blairmore	119	12-11-19
Taylor, C. M.	Edmonton	118	1-10-19
Thomas, Isaac	Coleman (duplicate)	120	2- 1-20
Turner, Leonard	Nordegg	132	26- 7-20
Thomson, Andrew R.	East Coulee	159	1- 8-22
Thomson, George G.	Lethbridge	163	9- 9-22
Turner, Leonard	Nordegg	179	11- 8-24
Talbot, W. J.	Edmonton	207	29- 7-28
Thackray, Fred	Lethbridge	208	29- 7-28
Thomson, John	Edmonton	4	26- 7-31
Thomson, James	Namao	6	27- 7-31
Touhey, J. B.	Drumheller	22	6- 5-33
Utley, F. W.	Bellevue	108	16- 7-19
Villard, Henry	Wabamun	181	11- 8-24
Vivyurka, John	Mercoal	21	28- 9-32
Williams, Thomas H.	Vancouver, B.C.	8	20- 7-00
Waite, Archibald	Taber	10	26- 4-04
Wilson, William G.	Tacoma, Wash.	3	20-12-05
Whitelaw, Thomas	Lethbridge	25	24- 2-08
Watters, John	Banff	22	18- 1-08
Watkins, W. E.	Champion	20	18- 1-08
Watson, William	Big Valley	13	26-12-07
Winter, Archibald	Strathcona	63	16- 1-11
Watters, Alexander G.	Banff	95	1-11-12
Williams, John J.	Edmonton	11	18- 9-14
Worthington, Thomas	Lethbridge	69	9- 7-18
Worthington, W. T.	Edmonton	92	3- 7-19
Williams, W. E.	Edmonton	96	3- 7-19
Watkins, J. M.	Taber	106	15- 7-19
Williams, Albert	Edmonton	134	26- 7-20
Willets, Frederick	Hillcrest	148	1- 8-21
Wilson, Robinson	Drumheller	151	1- 8-21
Williams, Arthur E.	Saunders	162	1- 8-22
Williamson, David S.	Camrose	199	5- 8-27
Westcott, Henry M.	Wayne	201	10- 9-27
Whitehead, J. W.	Blairmore	216	5- 9-29
Wheatley, F. M.	Banff	3	26- 7-31
Wiltse, Donald H.	Edmonton	5	26- 7-31
Womersley, Alfred	Blairmore	25	29- 7-33
Yard, George C.	Trochu	150	1- 8-21
Young, D. B.	Picture Butte	186	24- 7-25

## List of Names of Holders of Third Class Certificates Issued by the Government of the Province of Alberta to December 31, 1935:

Name	Address	Cert. No.	Date of Issue
Aspinall, Francis	Drumheller	32	30- 5-07
Ashurst, W.	Coleman	82	26- 8-09
Adlam, William	Hillcrest	108	2- 6-10
Archer, Roland	Hillcrest	132	22-12-10
Allen, William C.	Wayne	205	10- 8-12
Archibald, David	Bickerdike	222	25-11-12
Allan, Alexander M.	Hosmer, B.C.	247	31- 7-13
Adams, Thomas H.	Beverly	16	10- 3-14
Anderson, Andrew	Bellevue	39	17- 6-14
Atherton, Edward	Sheerness	40	14- 7-14
Appleton, John T.	Mountain Park	76	19- 4-15
Ashton, William	Hinton	90	27- 8-15
Anderson, Hugh W.	Edmonton	150	7- 7-17
Ashman, Alfred	East Coulee	151	7- 7-17
Armstrong, John	Castor	171	17- 7-17
Armstrong, Peter M.	Nordegg	224	8- 6-18
Arbuckle, John	Mountain Park	263	26- 6-19
Allen, Edgar	Wayne	436	29- 8-21
Antrobus, Fred	Coleman	461	31- 7-22
Ambrossi, Antonio	British Columbia	478	1- 8-22
Astley, David	Luscar	483	1- 8-22
Anderson, Robert	Drumheller	638	17- 8-26
Anderson, Gunner W.	Evansburg	650	1- 8-27
Aitkin, William	Mountain Park	668	24- 3-28
Allanby, Charles H.	Foothills	679	19- 7-28
Armstrong, Alex.	Drumheller	697	16- 8-28
Armstrong, John	Castor	719	7- 6-29
Allen, Thos. G.	Blairmore	765	4- 6-30
Alexander, Wm.	Bellevue	8	26- 7-31
Annon, Joseph L.	Winnifred	65	25- 6-32
Ashmore, Jas., Jr.	Champion	108	15- 6-33
Appleby, Wm. S.	Canmore	117	6- 7-33
Adamson, Robert	Huxley	157	12- 6-34
Augustin, Ernest C.	Grande Prairie	164	19- 6-34
Bastian, T. W.	Clover Bar	30	5-12-04
Bansemier, R.	Bankhead	14	3- 1-07
Barber, J.	Frank	7	3- 1-07
Burrows, C.	Coleman	40	18- 1-08
Brown, T.	Edmonton	24	14- 5-07
Blake, P.	Lundbreck	23	14- 5-07
Boulton, W. E.	Drumheller	48	29- 5-08
Barnes, B. J.	Coal Creek, B.C.	92	29-11-09
Besso, A.	Canmore	80	26- 7-09
Brisco, Daniel	Luscar	117	9- 6-10
Blake, Henry	Bellevue	133	30-12-10
Bradley, Thomas	Bellevue	138	16- 1-11
Barber, James S.	Hillcrest	144	3- 7-11
Bovio, Michael	Bellevue	146	3- 7-11
Brown, Alan J.	Coleman	163	17-11-11
Berford, Edward	Elcan	196	13- 7-12
Blakemore, Royden E.	Edmonton	227	16-12-12
Bainbridge, James	Nanaimo, B.C.	235	31- 7-13
Baird, John	Blairmore	243	31- 7-13
Beal, George F.	Bellevue	7	20-12-13
Brearley, Garnet	Turin	18	16- 3-14
Barclay, William	Drumheller	22	13- 3-14
Byers, John W.	Taber	48	25-11-14
Brown, John F.	Edmonton	29	21- 4-14
Barclay, William G.	Drumheller	30	23- 4-14
Byron, John	Coalhurst	11	10- 3-14

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Billington, Edward E.	England	73	25- 2-15
Booth, George	Beverly	85	18- 8-15
Boldon, James	Bellevue	86	19- 8-15
Bell, William	Coleman	95	12-10-15
Brown, Robert	Bellevue	112	10- 7-16
Bateman, Fred	Sheerness	123	14- 7-16
Barnes, Edward	Mountain Park	137	25- 9-16
Badham, Thomas	Drumheller	153	7- 7-17
Beveridge, Andrew	Lucky Strike	156	7- 7-17
Brown, David M.	Commerce	157	7- 7-17
Brooks, Burton T.	Drumheller	167	17- 7-17
Bartlett, Wallace	Elcan	173	17- 7-17
Bennett, Isaac	Armada	179	17- 7-17
Blair, John	Wayne	183	25- 7-17
Bobrovicki, Martin	Drumheller	217	5- 6-18
Baird, William	Drumheller	218	5- 6-18
Brooks, Claude E.	Drumheller	220	8- 6-18
Briggs, Alfred J.	Carbon	254	26- 6-19
Brennan, John	Long Coulee	261	26- 6-19
Brown, Frank	Coal Creek, B.C.	262	26- 6-19
Birse, Alexander	Coalhurst	268	26- 6-19
Bateman, James	Lethbridge	279	26- 6-19
Bealle, Fred A.	Brule	285	26- 6-19
Ball, Alfred	Natal, B.C.	292	20-11-19
Bland, H. A.	Taber	296	3- 2-20
Briggs, Charles	Canmore	302	26- 7-20
Babino, Arthur	Bankhead	312	26- 7-20
Barclay, R. W.	Drumheller	313	26- 7-20
Beveridge, Andrew	Coleman	314	26- 7-20
Bainbridge, G. E.	Nordegg	343	26- 7-20
Bambrough, George	Hillcrest	345	26- 7-20
Burcey, A.	Calgary	352	26- 7-20
Bird, Richard	Nordegg	357	26- 7-20
Barringham, F. J.	Rosedale	362	26- 7-20
Baxter, Robert	Canmore	374	17- 6-21
Brown, Thomas W.	Edmonton	377	1- 8-21
Battee, Noyes S.	Drumheller	381	1- 8-21
Blas, Emile	Bellevue	382	1- 8-21
Blake, Sylvanus R.	Wayne	384	1- 8-21
Barnes, Thomas	Blairmore	387	1- 8-21
Boyd, John	Wayne	390	1- 8-21
Barrie, James	Commerce	401	1- 8-21
Briggs, William A.	Carbon	414	1- 8-21
Bedwell, Alfred E.	Lethbridge	415	1- 8-21
Brooks, John	Bellevue	428	1- 8-21
Brown, George A.	Michel, B.C.	432	29- 8-21
Burton, John T.	Edmonton	448	21- 7-22
Birt, William C.	Evansburg	452	31- 7-22
Barnes, Ernest	Coleman	453	31- 7-22
Baker, Robert W.	Coleman	456	31- 7-22
Bradley, Walter	Cardiff	490	1- 9-22
Brooks, George W.	Edmonton	499	1-11-22
Brown, Austin L.	Edmonton	510	30- 5-23
Boscariol, J.	Mountain Park	521	17- 8-23
Brewer, Thomas W.	Drumheller	529	17- 8-23
Bonner, Fred	Evansburg	542	1- 9-23
Barrowman, Alexander	Nordegg	548	15- 9-23
Burton, William H.	Entwistle	553	1-11-23
Brown, Clarence H.	Drumheller	554	15-11-23
Boutry, A.	Bellevue	557	4-12-23
Burnham, George	Fallis	560	18-12-23

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Brown, Richard G.	Cadomin	598	20- 7-25
Burrell, John	Coleman	607	25- 7-25
Burrows, James G.	Bellevue	617	14-10-25
Balkwill, Frederick W.	Hillcrest	631	30- 7-26
Booth, Harry	Beverly	654	12- 8-27
Burton, James	Robb	670	19- 7-28
Brown, William	Canmore	676	19- 7-28
Bradshaw, James	Scapa	690	16- 8-28
Bailey, Leonard H.	Coalhurst	699	16- 8-28
Broderick, Frederick	Drumheller	702	24-10-28
Bevan, Walter	Canmore	721	7- 6-29
Boughton, C. A.	Rosedale	755	12-11-29
Boseley, Joseph H.	Bellevue	780	10- 6-30
Barber, William J.	Drumheller	781	10- 6-30
Blas, Victor	Blairmore	787	14- 6-30
Burrell, Archie K.	Drumheller	793	3- 7-30
Bell, William	Canmore	798	8- 8-30
Birrell, William	Robb	1	29- 1-31
Barrass, Thomas	Wayne	40	27- 7-31
Baker, R. D.	Luscar	41	27- 7-31
Barons, James	Drumheller	48	3- 8-31
Brown, Frederick	Edmonton	58	2- 6-32
Blades, James	Delburne	62	25- 6-32
Bonetti, D.	Champion	73	25- 6-32
Barclay, Daniel	Sundre	89	23- 9-32
Blas, Emil	Blairmore	91	22-10-32
Booth, Joseph	Drumheller	98	10- 6-33
Bradley, James	Foreman	103	10- 6-33
Bond, Bertram	Coleman	106	15- 6-33
Beveridge, John S.	Midlandvale	122	29- 7-33
Brown, J. D. B.	Mountain Park	129	26- 8-33
Blackett, W. N.	Drumheller	131	15-10-33
Budda, Joseph J.	Bellevue	145	5- 6-34
Bordula, Andrew J.	Hanna	160	16- 6-34
Baroni, Alfred	Edmonton	166	27- 6-34
Bignell, Emford L.	Gadsby	170	26- 7-34
Black, Andrew, Jr.	Rosedale Station	184	17- 1-35
Brown, John	Canmore	185	20- 2-35
Bridarolli, G.	Magrath	203	8- 7-35
Bragdich, George	Thelma	207	24- 7-35
Bradshaw, Richard	East Coulee	209	26- 7-35
Cowan, W.	Bankhead	4	15-11-98
Chestnut, C.	British Columbia	28	26- 4-04
Cawthorne, L.	Frank	46	18- 4-05
Churchill, J.	Frank	45	18- 4-05
Chestnut, C.	Blairmore (duplicate)	28	6- 7-05
Cooke, J.	Bankhead	4	30- 5-06
Catchpole, C.	Three Hills	2	30- 5-06
Cole, J. J.	Canmore	66	1- 2-09
Clyne, J.	Edmonton	65	1- 2-09
Campbell, Kenneth S.	Edmonton	102	27- 1-10
Clemenson, John	Bankhead	105	30- 5-10
Carson, James	Coalhurst	120	21- 6-10
Crockett, Levi A.	Hillcrest	131	22-12-10
Coupland, George	Bellevue	148	4- 7-11
Carson, George	Frank	154	8- 7-11
Crawford, George	Frank	160	17-11-11
Combs, Walter P.	Taber	164	17-11-11
Coupland, Edward	Cadomin	173	17-11-11
Cox, John	Toronto	193	13- 7-12
Crawford, John	Edmonton	197	13- 7-12

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Coutts, George	Lethbridge	210	26-10-12
Clark, Robert	Lethbridge	212	31-10-12
Cranston, Michael	Drumheller	218	11-11-12
Crawford, William	Lethbridge	8	6- 3-14
Coutts, David	Hardieville	23	30- 3-14
Crabb, S. A. B.	Lethbridge	38	28- 5-14
Chaplow, Joseph	Lethbridge	49	25-11-14
Clarke, Robert G.	Drumheller	70	16- 2-15
Campbell, John H.	Canmore	71	16- 2-15
Coxon, Thomas	Nacmine	89	27- 8-15
Convery, Dennis	Coleman	107	10- 7-16
Cooper, John A.	Lethbridge	166	10- 7-17
Coutts, Anthony B.	Hardieville	178	17- 7-17
Campbell, Henry	Bellevue	188	13- 8-17
Cartwright, Chas. E.	Blairmore	198	4- 4-18
Cousens, Gilbert W.	Bellevue	199	4- 4-18
Collins, Sidney G.	Edmonton	219	5- 6-18
Chapman, Christopher	Drumheller	232	12- 6-18
Campbell, George P.	Nordegg	229	8- 6-18
Chambers, Ralph H.	Lovett	246	25- 6-19
Campbell, Thomas	Alexo	247	25- 6-19
Conley, Leroy L.	Saunders	260	26- 6-19
Chalmers, James	Edmonton	278	26- 6-19
Carr, Thomas	Cadomin	283	26- 6-19
Clark, John	Bankhead	301	26- 7-20
Cameron, Donald	Coalspur	331	26- 7-20
Cotterill, John	Rosedale	346	26- 7-20
Crawford, George	Bellevue (duplicate)	365	26- 7-20
Candlish, W. S.	Brule	366	26- 7-20
Causey, Thomas	Taber	403	1- 8-21
Craig, James M. S.	Nordegg	413	1- 8-21
Clelland, William	Lethbridge	421	1- 8-21
Curry, John	Passburg	439	3-11-21
Chalmers, Robert	Edmonton	454	31- 7-22
Cowan, James	High River	459	31- 7-22
Congdon, Milton H.	Blairmore	476	1- 8-22
China, John	Nordegg	480	1- 8-22
Cardle, James	Bellevue	481	1- 8-22
Clarke, Richard	Hillcrest	500	1-11-22
Clelland, Thomas	Edmonton	574	24- 7-24
Crichton, Robert	Hillcrest	516	17- 8-23
Carty, Patrick	Evansburg	595	20- 7-25
Canet, Camille A.	Blairmore	601	25- 7-25
Crawford, Robert	Lethbridge	619	21-10-25
Chagivnaud, Louis G.	Hinton	626	26- 7-26
Crawford, Charles	Edmonton	647	1- 8-27
Conlin, Richard	Drumheller	656	14- 8-27
Crawford, James	Clover Bar	662	10- 9-27
Cumberford, James	Drumheller	672	19- 7-28
Cartledge, George F.	Aerial	673	19- 7-28
Carmichael, Malcolm	Canmore	684	1- 8-28
Colbourne, J. H.	Drumheller	710	1- 5-29
Currie, Robert	Canmore	715	7- 6-29
Christie, Joseph	Bellevue	731	17- 6-29
Clack, Robert W.	Drumheller	740	17- 6-29
Castella, Jens	Standard	743	5- 7-29
Clancy, James	Craigmyle	28	3- 8-31
Chisholm, John A.	Luscar	37	22- 8-31
Clyne, James M., Jr.	Edmonton	45	26- 8-31
Challenger, Edward J.	Magrath	86	24- 8-32
Cowan, Robert	Drumheller	92	22-10-32

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Campbell, James	Cluny	107	15- 6-33
Crozier, John E.	Drumheller	128	26- 8-33
Comin, Silvio	Bellevue	148	5- 6-34
Calderbank, J. S.	Scapa	155	12- 6-34
Chamberlain, William H.	Coleman	162	19- 6-34
Craig, Andrew	Coalhurst	169	26- 7-34
Courtorelle, Alan F.	Drumheller	171	13- 8-34
Chiswick, James	Gadsby	175	27- 8-34
Clozza, Angelo	Newcastle	193	10- 6-35
Davies, T.	Frank	49	18- 4-05
Duggan, R. G.	Taber	27	26- 4-04
Downs, T.	Canmore (duplicate)	6	6-10-06
Dickson, S.	Commerce	18	3- 1-07
Devonshire, G.	Canmore	31	23- 5-07
Duggan, E. J.	Taber	41	18- 1-08
Davies, T. O.	Calgary	109	2- 6-10
Davidson, David	Coleman	170	17-11-11
Doodson, Robert	Coal Creek, B.C.	177	17-11-11
Duthie, Alexander F.	Pocahontas	184	28-11-11
Duncan, Ninian S.	Dodds	211	31-10-12
Draper, Robert	Hillcrest	214	1-11-12
Dennis, Frederick W.	England	3	28-11-13
D'Altroy, Arthur C.	British Columbia	6	1-12-13
Devoy, William	Hardieville	9	6- 3-14
Dean, William	Bankhead	20	20- 3-14
Duggan, John	Wayne	97	12-10-15
Douglas, D. B.	Edmonton	129	26- 7-16
Davis, William	Mountain Park	192	7-11-17
Dunnigan, Edward	Evansburg	216	1- 6-18
Dawes, Edmund	Drumheller	222	8- 6-18
Davies, J.	Coleman	265	26- 6-19
Dupen, Thomas	Edmonton	275	26- 6-19
Dunlop, Hugh	Coleman	321	26- 7-20
Dunn, W. P.	Edmonton	347	26- 7-20
Dryburgh, W. W.	Nordegg	356	26- 7-20
Dieter, Walter J.	Sheerness	397	1- 8-21
Davey, George	Wayne	418	1- 8-21
Dunn, Samuel	Taber	441	15-12-21
Deere, Gladstone E.	Blackstone	449	21- 7-22
D'Amico, George	Nordegg	486	1- 8-22
Davies, John C. H.	Coalmont, B. C.	492	1- 9-22
Dudley, John T.	Hillcrest	493	1- 9-22
Davidson, Albert M.	Dodds	517	17- 8-23
Desson, Horace E.	Rosedale	526	17- 8-23
Driscoll, L.	Evansburg	560	24- 7-24
Dawson, Glen	Brule	573	24- 7-24
Dunbar, Edgar J.	Canmore	575	1- 8-24
Dunn, Charles F.	Drumheller	604	25- 7-25
Dupen, Albert E.	Lethbridge	616	14- 8-25
Davis, Fred M.	Jeffrey	619	28- 9-25
Dutton, Joseph A.	Mountain Park	623	26- 7-26
Donnachie, John	Brule	630	26- 7-26
Dixon, John O.	High River	698	16- 8-28
Davis, D. B.	Midlandvale	730	10- 6-29
Davies, James	East Coulee	784	10- 6-30
Dutka, Joseph	Canmore	794	3- 7-30
Dalziel, William	Clover Bar	14	26- 7-31
Davies, W. E.	Hillcrest	16	26- 7-31
Denholm, James	Mercoal	17	26- 7-31
Davidson, Robert M.	Coleman	33	26- 7-31
Davies, Richard	Luscar	42	26- 7-31

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Dinsdale, Wm.	East Coulee	61	2- 6-32
Donaldson, Thomas	Shaughnessy	64	25- 6-32
Davies, E. M.	Wayne	95	25- 5-33
Davies, G. C.	Lundbreck	114	3- 7-33
Dutton, Alfred	Mountain Park	121	29- 7-33
Dixon, W. B.	High River	179	10- 9-34
Droppo, Wm.	Midlandvale	208	26- 7-35
Evans, H.	Taber	94	3- 1-07
Evans, D.	Frank	83	3- 9-09
Evans, Hugh	Lethbridge	156	12- 7-11
Embree, Merton B.	Evansburg	239	31- 7-13
Evans, Nathaniel	Passburg	54	27-11-14
Evans, Llewellyn	Coleman	152	7- 7-17
Excoffon, Eugene	Bellevue	155	7- 7-17
Eccleston, Richard	Bellevue	243	26- 6-19
Evans, Thomas O.	R.R. 2, Millet	244	26- 6-19
Evans, Gwilym	Blairmore	308	26- 7-20
Evans, Charles	Hillcrest	327	26- 7-20
Eccleston, J. W.	Mountain Park	330	26- 7-20
Evans, William	Drumheller	360	26- 7-20
Evans, Thos. L.	Calgary	367	1-11-20
Evans, James D.	Drumheller	383	1- 8-21
Entwistle, Albert V.	Kipp	471	31- 7-22
Eccleston, Thomas	Mountain Park	475	31- 7-22
Eckert, William	Sedalia	539	17- 8-23
Elkes, F. W.	Newcastle	724	7- 6-29
Evans, H.	Mountain Park	750	5- 9-29
Edwards, John	Cadomin	32	26- 7-31
Evans, David E.	Luscar	46	26- 7-31
Ewing, Fred	Donalda	97	10- 6-33
Edwards, O. E.	Cadomin	115	3- 7-33
Evans, I. L.	Blairmore	196	18- 6-35
Fairhurst, H.	Lethbridge	39	23-12-04
Ferguson, C. J.	Edmonton	4	20-12-05
Fraser, J.	Coleman	8	3- 1-07
Fox, A.	Carbon	55	8- 1-09
Fowers, C. W.	Canmore	50	29- 5-08
Fiske, G. E.	Edmonton	88	27-11-09
Fisher, Samuel	Passburg	169	17-11-11
Ford, Allen	Burmis	183	28-11-11
Foster, William	Robb	31	28- 4-14
Ferguson, John	Commerce	34	23- 5-14
Fyfe, Walter H.	Nelson, B.C.	79	19- 8-15
Fishwick, Thomas	Stettler	98	12-10-15
Foster, James	Lethbridge	174	17- 7-17
Fisher, William J.	Bellevue	186	17- 7-17
Fisher, James	Bellevue	194	3- 4-18
Fisher, Ernest	Bellevue	256	26- 6-19
Fraser, Alec	Carmangay	274	26- 6-19
Fraser, James	Carbon (duplicate)	286	25- 8-19
France, Harry	Calgary	288	8-10-19
Flynn, Thomas E.	Coleman	306	26- 7-20
Ford, George C.	Drumheller	310	26- 7-20
Fudge, George H.	Foothills	311	26- 7-20
Fisher, Harry	Hillcrest	338	26- 7-20
Fourneau, Jean F.	Bellevue	396	1- 8-21
Ferryman, Henry	Corbin, B.C.	447	16- 6-22
Foster, Richard	Edmonton	502	29-12-22
Fleming, Nelson	Coleman	550	1-11-23
Fulton, James	Champion	652	12- 8-27
Fry, N.	Donalda	752	5- 9-29

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Fox, A. A.	Canmore	808	29-10-30
Finkbiner, Henry	Scapa	30	26- 7-31
Foster, Cyril E.	Rocky Mountain House	60	2- 6-32
Fridel, Stephen	Barrhead	63	25- 6-32
Foye, Edward B.	Delia	93	1-11-32
Forshaw, Richard	East Coulee	138	26- 1-34
Fisher, Samuel	Drumheller	139	26- 1-34
Fawcett, Elmer S.	Cardiff	150	9- 6-34
Farmer, James	Drumheller	176	27- 8-34
Farmer, Eli	Drumheller	189	10- 6-35
Fisher, John M.	Chin	190	10- 6-35
Gatiss, R.	Long Coulee	85	25-11-09
Giffen, H. R.	Carbon	19	26- 4-04
Griffiths, E. H.	Canmore	33	5-12-04
Gladwin, J.	Edmonton	97	20-12-09
Griffiths, T. J.	Lille	77	18- 6-09
Gillespie, John M.	Coleman	111	2- 6-10
Gilliland, William	Cardiff	123	8-11-10
Gwilliam, David J. M.	Namao	130	22-12-10
Gregory, John B.	Passburg	128	17-12-10
Garrett, John	Lille	147	4- 7-11
Griffiths, John T.	Lille	168	17-11-11
Garbett, Richard	Michel, B.C.	180	23-11-11
Gorton, James	Hillcrest	203	22- 7-12
Green, Henry V.	Halkirk	1	1-11-13
Grant, Robert H.	Three Hills	2	23-10-13
Grant, Robert	Lethbridge	10	10- 3-14
Goldie, William	Lethbridge	24	1- 4-14
Graham, Robert	Clover Bar	50	27-11-14
Gillespie, John C.	Drumheller	132	3- 8-16
Greenhalgh, Richard M.	Coleman	154	7- 7-17
Givens, John	Drumheller	158	10- 7-17
Goodrick, William L.	Commerce	168	17- 7-17
Goodwin, Andrew	Bellevue	187	13- 8-17
Gammie, John S.	Drumheller	226	8- 6-18
Grant, Donald A.	Hillcrest	242	26- 6-19
Gordon, Thomas	Drumheller	248	26- 6-19
Green, Henry V.	Halkirk (duplicate)	291	15-11-19
Goodwin, G. W.	Bellevue	320	26- 7-20
Gidman, J. H.	Taber	348	26- 7-20
Gibson, Henry	Edmonton	349	26- 7-20
Gilmour, Pete	Bragg Creek	363	26- 7-20
Gibson, William	Edmonton	370	26- 7-20
Goodwin, Watts	Bellevue	408	1- 8-21
Galbraith, A. G.	Coalhurst	460	31- 7-22
Gregory, William W.	Mountain Park	496	6- 9-22
Gavelin, Fred	Blairmore	519	17- 8-23
Gibson, Joseph C.	Cardston	587	24- 1-25
Gilmour, John	Cadomin	605	25- 7-25
Gordon, David L.	Drumheller	636	6- 8-26
Gibson, Thomas P.	Midlandvale	663	16- 9-27
Gallagher, John	Rosedale Station	760	4- 6-30
Goodwin, William	Bellevue	766	4- 6-30
Green, William	Luscar	775	10- 6-30
Guisto, G.	Beazer	6	13- 7-31
Gotheridge, W. V.	Round Hill	26	26- 7-31
Goodwin, Albert E.	Bellevue	43	26- 7-31
Gibson, James	Willow Creek	75	25- 6-32
Guiney, C. John	Rosebud	79	25- 6-32
Galenza, P. L.	Leduc	113	3- 7-33
Gardner, H. H.	Coleman	15	31-10-33

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Grenda, Stanley	Turin	198	28- 6-35
Holmes, G. E.	Fernie, B.C.	15	1- 9-03
Hood, Andrew	Frank	20	21- 6-03
Harrison, Thomas	Cadomin	29	11- 7-04
Haines, Thomas	Coleman	37	23-12-04
Harvie, Robert	Lethbridge	40	23-12-04
Hallworth, Albert	Bellevue	52	12- 6-08
Hayes, Robert	Blairmore	60	22- 1-09
Henderson, W.	Calgary	61	26- 1-09
Harvie, John	Taber	68	1- 2-09
Higgins, Alfred	Bankhead	25	15- 5-07
Hannan, James	Canmore	1	30- 5-06
Hadfield, John	Coleman (duplicate)	21	4- 4-07
Humble, Stephen T.	Bellevue	29	23- 5-07
Hamilton, Charles	Edmonton	36	10- 1-08
Hilling, James	Coleman	43	23- 1-08
Hutton, Isaac	Bellevue	99	27-12-09
Hartley, William	Bankhead	110	2- 6-10
Hill, James	Canmore	114	3- 6-10
Henderson, James	Reid Hill	134	30-12-10
Hutton, John	Edmonton	135	30-12-10
Henderson, Samuel	Reid Hill	136	30-12-10
Halliday, George W.	Nanaimo, B.C. (duplicate)	248	31- 7-13
Hughes, William R.	Barnwell	181	23-11-11
Hutton, George	Bellevue	186	2-12-11
Hutchinson, Peter	Ardley	202	22- 7-12
Heap, Robert	Lundbreck	206	10- 8-12
Hunter, Alexander B.	Drumheller	207	10- 8-12
Harries, Henry C.	Coleman	209	26-10-12
Hutton, David T.	Bellevue	241	31- 7-13
Heathcote, Joseph	Edmonton	32	28- 4-14
Harmison, William	Cassidy, B.C.	41	27- 8-14
Hynd, William	Elcan	52	27-11-14
Hutton, Hugh	Bellevue	60	5-12-14
Hargreaves, George	Lethbridge	65	11-12-14
Hopkins, William	Coleman	93	1- 9-15
Huddart, Matthew	Bellevue	102	18-11-15
Hamilton, John	Lethbridge	120	10- 7-16
Howells, John	Elcan	126	19- 7-16
Hyde, Isaac	Cadomin	134	15- 9-16
Holmes, Robert	Coleman	141	11-11-16
Hunter, John T.	Garden Plain	148	7- 7-17
Holland, Thomas	Lethbridge	161	10- 7-17
Hastings, Andrew P.	Champion	176	10- 7-17
Higgins, John	Bellevue	201	18- 4-18
Hodgkinson, John A.	Mountain Park	205	1- 6-18
Hudyma, John	Pocahontas	207	1- 6-18
Head, James	Taber	209	1- 6-18
Hooks, John W.	Drumheller	210	1- 6-18
Hedges, Richard	Beverly	239	29- 8-18
Higney, John	Coalhurst	245	26- 6-19
Hopkins, John T.	Coleman	259	26- 6-19
Hunter, James	Lethbridge	276	26- 6-19
Huff, L. E.	Lethbridge	325	26- 7-20
Hutchison, J. J.	Lovett	332	26- 7-20
Hawkins, E. L.	Nordegg	339	26- 7-20
Hillary, Joseph	Drumheller	391	1- 8-21
Hamilton, Thomas M.	Blairmore	393	1- 8-21
Hutchinson, George E.	Nordegg	404	1- 8-21
Hall, James	Brookdale	402	1- 8-21
Hetherington, R., Jr.	Wayne	420	1- 8-21

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Hogg, Charles M.	Lethbridge	424	1- 8-21
Hamilton, Joseph J.	Lethbridge	434	29- 2-21
Hall, Ernest	Wayne	438	10-10-21
Horner, Charles	Edmonton	440	16-12-21
Hopkins, William H.	Drumheller	451	31- 7-22
Hooten, Robert	Edmonton	505	15- 2-23
Hughes, Harry	Natal, B.C.	506	9- 3-23
Harris, Rupert S.	Edmonton	513	17- 8-23
Hawkins, Harold	Drumheller	541	1- 9-23
Hulme, James	Carbon	564	26- 2-24
Hart, Daniel	Wayne	566	26- 6-24
Hadfield, W. A.	Coleman	567	16- 7-24
Harries, John	Wayne	568	16- 7-24
Hughes, Angus	Coleman	572	24- 7-24
Horne, James	Cadomin	576	1- 8-24
Holliday, William	Drumheller	596	20- 7-25
Hagblad, Theodore	Lethbridge	602	25- 7-25
Hetherington, Joseph W.	Carbon	609	25- 7-25
Hronek, Ben	Halkirk	614	1- 8-25
Hibbert, William T.	Dinant	622	11- 5-26
Hansen, Knud	Aerial	644	1- 8-27
Henderson, Andrew	Wayne	655	14- 8-27
Hamilton, John M.	Hanna	657	14- 8-27
Hillary, Michael	Midlandvale	665	26-10-27
Hart, James J.	Coleman	692	16- 8-28
Hall, Robert	Canmore	703	24-11-28
Halbert, David	Trochu	723	7- 6-29
Hillary, H.	Bellevue	736	17- 6-29
Hulbert, H. A.	Coleman	747	23- 7-29
Hutton, Walter C.	Coalhurst	756	18- 2-30
Hopkins, Arthur J.	Foothills	761	4- 6-30
Heyworth, E. S.	Beverly	763	4- 6-30
Hunter, Thomas	Edmonton	805	22-10-30
Hooks, Albert	Drumheller	807	29-10-30
Harrop, Wm.	Robb	2	29- 1-31
Hogg, John	Foothills	22	13- 7-31
Hadwell, Thomas C.	Blairmore	27	26- 7-31
Howells, Edward W.	Mercoal	52	6- 1-32
Halbert, Robert	Trochu	71	25- 6-32
Hook, Alfred J.	Halkirk	78	25- 7-32
Holton, Joseph	Magrath	140	5- 4-34
Hill, Ernest	Coleman	144	5- 6-34
Halbert, Benjamin G.	Trochu	151	9- 6-34
Hanson, Andrew	Three Hills	187	10- 6-35
Halbert, Robert A.	Trochu	217	23- 9-35
Ironmonger, John	Hillcrest	145	3- 7-11
Instone, Henry	Hillcrest	197	3- 4-18
Ironmonger, William	Hillcrest	487	1- 8-22
Ivan, Mike	East Coulee	199	28- 6-35
Jones, Evan	Coalfields	12	26- 4-04
James, Joseph	Frank	25	26- 4-04
Jones, Samuel A.	Nanaimo, B.C.	17	26- 4-04
Jones, Erskine	Coalfields	47	18- 4-05
James, Henry	British Columbia	53	14- 7-08
Jones, David	Edmonton	69	1- 2-09
Jones, Jack	Cardiff	127	17-12-10
Jones, Peter	Lethbridge	195	13- 7-12
Jordan, William	East Coulee	220	20-11-12
Joyce, Michael	Blairmore	224	25-11-12
Jackson, John	Bellevue	246	31- 7-13
James, John	Cadomin	28	21- 4-14

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Jones, David	Commerce	55	27-11-14
Johnson, Albert	Coleman	88	26- 8-15
Jones, Daniel H.	Lovett	99	10-12-15
Jones, Evan J.	Calgary	144	3- 7-17
Jinks, William E.	England	180	25- 7-17
Jones, John H.	Taber	214	1- 6-18
James, Isaac A.	Coleman	252	26- 6-19
Jones, Richard	Nordegg	289	8-10-19
Johnstone, Alexander	Clover Bar	329	26- 7-20
James, Thomas	Saunders	340	26- 7-20
Jones, Griffith	Willow Creek	375	17- 6-21
Jordon, Benjamin	Calgary	463	31- 7-22
Jones, Edward B.	Hillcrest	469	31- 7-22
Jones, Daniel	Edmonton	474	31- 7-22
Jones, Richard M.	Wayne	491	1- 9-22
Jackson, Thomas	Coleman	495	1- 9-22
Jones, Arthur	Coleman	547	15- 8-23
Johnson Chris.	Carbon	561	28-12-23
Jones, David I.	Wayne	578	11- 8-24
Jones, Elias	Coleman	680	1- 8-28
Johnson, Thomas	Drumheller	696	16- 8-28
Jubb, J. W.	Drumheller	708	1- 5-29
Jones, Jenkin	Luscar	771	4- 6-30
James, Isaiah	Rumsey	801	18-10-30
Johnson, Moses F.	Alix	804	18-10-30
James, Albert J.	Forestburg	25	26- 7-31
Jones, Douglas W.	Pincher Creek	49	27- 9-31
Johnson, Alexander J.	Ardley	68	25- 6-32
Jones, Wm. J.	Rosalind	74	25- 6-32
Jones, W. J.	Newcastle	100	10- 6-33
Jones, E. W.	Drumheller	127	22- 8-33
Jones, David	Wayne	133	25- 9-33
James, Hiram	Heisler	158	16- 6-34
James, Alfred	Drumheller	182	12-10-34
Kerr, William R.	Calgary	89	29-11-09
Kerr, Robert T.	Passburg	75	17- 6-09
Kerr, Robert	Lundbreck	76	17- 6-09
Kaye, Herschel	Maycroft	191	4- 1-12
Kemp, David	Beaver Mines	201	22- 7-12
Keynon, William	Mountain Park	44	28- 9-14
Knox, Joseph	Hardieville	119	10- 7-16
Kelly, Patrick	Edmonton	147	7- 7-17
Kerrison, Thomas W.	Magrath	163	10- 7-17
Koentges, John	Blairmore	182	25- 7-17
Kyle, Daniel C.	Hillcrest	185	25- 7-17
Klejko, Stephen	Coleman	213	1- 6-18
King, John J. J.	Nordegg	221	8- 6-18
Kirkham, Thomas	Sheerness	284	26- 6-19
Kehl, Isodore	Big Valley	359	26- 7-20
Krause, Herman F.	Lethbridge	407	1- 8-21
Kay, Arthur	Coleman	501	1-11-22
Klatt, Rudolph E.	Evansburg	544	1- 9-23
Knudson, Arthur	Canmore	586	4-12-24
Kendrick, Samuel O.	Edmonton	597	20- 7-25
Kennedy, William	Mountain Park	606	25- 7-25
Kergan, Robert G.	Lethbridge	610	25- 7-25
Krupper, A.	Drumheller	711	7- 6-29
King, Joseph	Coalhurst	726	7- 6-29
Kay, Walter S.	Drumheller	754	12-11-29
Kerr, Robert G.	Blairmore	764	4- 6-30
Koentges, Joseph	Bellevue	770	4- 6-30

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Kowal, Alex.	Canmore	790	14- 6-30
Kennedy, Joseph	Willow Creek	799	10- 9-30
Kiernan, Patrick	Robb	3	20- 2-31
Kay, William	Drumheller	53	26- 2-32
Kirkeby, B.A.	Craigmyle	101	10- 6-33
Keough, Frank J.	Drumheller	134	30- 9-33
Kurp, Benjamin C.	Alix	143	5- 6-34
Kurp, Thomas J.	Delburne	172	13- 8-34
Krossa, O.	Shaughnessy	181	9-10-34
Livingstone, Robert	Lethbridge	7	21-11-98
Learmonth, A. J.	Redcliff	42	23- 1-08
Love, William	Edmonton	86	27-11-09
Lamont, David	Cadomin	98	24-12-09
Letcher, John J.	Hillcrest	149	4- 7-11
Leblanc, Emile	Wayne	153	8- 7-11
Littler, Robert	Michel, B.C.	166	17-11-11
Loxton, George	Fernie, B.C.	176	17-11-11
Littler, John	Michel, B.C.	190	30-12-11
Littler, Matthew	Michel, B.C.	226	7-12-12
Laight, Jonas	Medicine Hat	233	3- 5-13
Lynch, Stewart	Canmore	26	15- 4-14
Loxton, John	Fernie, B.C.	51	27-11-14
Letcher, Joseph H.	Lovett	100	12-10-15
Lamond, David	Evansburg	109	10- 7-16
Loftus, Edward	Drumheller	111	10- 7-16
Lewis, Thomas	Hardieville	131	26- 7-16
Longworth, Thomas	Calgary	146	5- 7-17
Logan, John T.	Drumheller	190	6- 9-17
Lohmaier, Peter	Sheerness	238	15- 7-18
Lee, Walter J.	Nordegg	269	26- 6-19
Lindsay, John	Coalhurst	272	26- 6-19
Lindsay, James	Coalhurst	273	26- 6-19
Lawrence, John	Drumheller	294	1-12-19
Lewis, Hanbury	Calgary	364	1-11-20
Leonard, Philip	Nordegg	479	1- 8-22
Lytkowski, William P.	Canmore	503	30-12-22
Lecuyer, Glenn	Midlandvale	562	31-12-23
Lewis, John W.	Mountain Park	580	25- 9-24
Lavis, George	East Coulee	585	14-11-24
Longworth, John	Bellevue	634	30- 7-26
Lowry, William J.	Drumheller	641	22- 9-26
Leitch, Thomas	Drumheller	660	1- 9-27
Lazzarotto, Peter	Picture Butte	682	1- 8-28
Lammie, Robert	Beverly	694	16- 8-28
Lehmann, Max	Wayne	742	5- 7-29
Lund, Fred	Blairmore	767	4- 6-30
Laing, W. R.	Cadomin	774	10- 6-30
Letcher, R. C.	Hillcrest	795	12- 7-30
Leivers, Albert	Wayne	12	13- 7-31
Low, James A.	Coleman	147	5- 6-34
Loten, Henry V.	Newcastle	186	20- 2-35
Lonsbury, W. P.	Coleman	191	10- 6-35
Lloyd, James H.	Blairmore	192	10- 6-35
Musgrove, William	Canmore	9	23- 8-00
Mattson, Matt	Frank	34	5-12-04
Machin, J. C.	Strathcona	46	26- 2-08
Moore, Thomas E.	Drumheller	56	11- 1-09
Mather, Thomas	Luscar	96	8-12-09
Morgan, Owen	Saunders	143	3- 7-11
Munro, William K.	Lille	150	4- 7-11
Muir, David	Edmonton	151	8- 7-11

## THE MINES BRANCH

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Miller, Walter	Edmonton	159	25- 8-11
Moore, James H.	Coleman	167	17-11-11
Massey, Harry	Michel, B.C.	172	17-11-11
Murray, John	Lille	174	17-11-11
Mason, Samuel	Taber	187	6-12-11
Morrison, Malcolm	Midlandvale	189	30-12-11
Melling, Peter	Coalhurst	208	26-10-12
Mackie, John	Hillcrest	221	25-11-12
Makin, John W.	Coleman	240	31- 7-13
Muir, Alexander	Hardieville	12	10- 3-14
Miller, Joseph	Stafford Village	14	10- 4-14
Muir, Robert	Bankhead	21	23- 3-14
Murray, David	Hillcrest	35	26- 5-14
Mather, John	Edmonton	45	26-10-14
Muir, James	Bankhead	57	5-12-14
Marsh, Ernest	Wayne	61	5-12-14
Morgan, William J.	Luscar	64	11-12-14
Martin, William H.	Brule	69	28- 1-15
Marsh, John H.	Lethbridge	75	20- 3-15
Miller, David L.	Taber	114	10- 7-16
Millar, Peter P.	Drumheller	127	26- 7-16
Maddison, William	Mountain Park	136	25- 9-16
Mitchell, John	Evansburg	143	27- 2-17
Morgan, Robert M.	Coleman	160	10- 7-17
Michayluk, John G.	Luscar	184	25- 7-17
Marsh, William	Drumheller	230	8- 6-18
Mathewson, James	Nevis	236	22- 6-18
Mossey, Thomas M.	Lethbridge	237	5- 7-18
Miller, James	Aerial	266	26- 6-19
Miller, John R.	Aerial	293	20-11-19
Monkton, William	Rosedale	322	26- 7-20
Miller, Joseph, Jr.	Lethbridge	326	26- 7-20
Milnes, John	Bellevue	334	26- 7-20
Melling, Joseph	Coalhurst	335	26- 7-20
Maddison, John	Hillcrest	354	26- 7-20
Melvin, J. L.	Lethbridge	371	28-12-20
Meyers, August	Grande Prairie	406	1- 8-21
Minue, Graydon B.	Nordegg	410	1- 8-21
Mitchell, Archie	Luscar	412	1- 8-21
Metcalf, Joseph W.	Coalhurst	498	1-11-22
Mossey, Robert	Frank	507	17- 5-23
Macri, D.	Cadomin	518	17- 8-23
Martin, David	Blairmore	527	17- 8-23
Miller, William	Drumheller	535	17- 8-23
Marsh, Walter	Kellog, Idaho	538	17- 8-23
Mitchell, Hugh J.	Foothills	569	24- 7-24
Muir, Alexander	Coleman	593	20- 7-25
Mackie, James	Big Valley	608	25- 7-25
Millar, David	Mercoal	627	26- 7-26
Mackie, William	Drumheller	645	1- 8-27
Metcalfe, Joseph W.	Drumheller	666	16- 1-28
Musgrove, Henry B.	Canmore	674	19- 7-28
Muncy, Howard C.	Foreman	693	16- 8-28
Mayoh, Daniel	Drumheller	707	20- 3-29
Millar, C. C.	Bellevue	714	7- 6-29
Morris, David	Bellevue	720	7- 6-29
Mossom, John	Drumheller	734	17- 6-29
Meek, Fred G.	Heisler	737	17- 6-29
Morris, Wm.	Edmonton	744	12- 7-29
Morris, Robert S.	Aerial	745	12- 7-29
Marsh, Wm. J.	Midlandvale	776	10- 6-30

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
May, John	Beverly	786	14- 6-30
Mathieson, David	Edmonton	789	14- 6-30
Muir, Thomas	Coalhurst	800	18-10-30
Morgan, Ernest	Blairmore	15	13- 7-31
Madsen, S.	Luscar	39	26- 7-31
Marsh, John	Coalhurst	51	6- 1-32
Marsh, Walter	Coleman	84	24- 8-32
Mitchinson, Arthur	Donalda	88	23- 9-32
Molyneux, Thomas	Aerial	102	10- 6-33
Molzahn, Henry	East Coulee	111	15- 6-33
Muir, James	Edmonton	137	28-12-33
Morse, William J.	Hanna	156	12- 6-34
Mitchell, William	Dimsdale	174	27- 8-34
Morel, Marcel	Ghost Pine Creek	180	25- 9-34
Menzies, Wm.	Drumheller	212	10- 8-35
McKay, John J.	Lethbridge	5	19-11-98
McKinnon, H. G.	Canmore	36	5-12-04
McGregor, Alex.	Cardiff	41	16- 1-05
McCulloch, Alex.	Cadomin	43	18- 4-05
McDonald, J. A.	Blairmore	44	18- 4-05
McVey, William	Frank	39	10- 1-08
McLeary, Stewart	Lethbridge	58	12- 1-09
McMillan, William D.	Coleman	72	25- 2-09
McKinnon, A. J.	Canmore	62	29- 1-09
McLenhan, John A.	Lovett	51	8- 6-08
McGarry, Martin	Michel, B.C.	59	19- 1-09
McDonald, James A.	Lille	91	29-11-09
McMillan, Donald	Coleman	107	31- 5-10
McDonald, Duncan	Drumheller	112	2- 6-10
McDonald, Hector	Coleman	115	3- 6-10
McDonald, William C.	Lethbridge	122	16- 7-10
McDevitt, James J.	Cadomin	129	22-12-10
McGladrie, John	Lille	152	8- 7-11
McMullin, Joseph	Hillcrest	171	17-11-11
McGough, Joseph, P.	Bellevue	219	18-11-12
McDonald, James O. C.	Coleman	225	25-11-12
McDonald, Noble M.	Bellevue	5	28-11-13
McGowan, James K.	Lethbridge	13	10- 3-14
McLeod, John A.	Cadomin	74	8- 3-15
McLellan, John A.	Mercoal	77	8- 5-15
McIlveen, William	Lovettville	80	19- 8-15
McAndrew, Robert	Clover Bar	81	19- 8-15
McAndrew, John	Calgary	83	19- 8-15
McKean, George J.	Bellevue	121	10- 7-16
McLean, William	Mountain Park	122	10- 7-16
McQueen, Andrew	Edmonton	124	19- 7-16
McMillan, Daniel	Drumheller	149	7- 7-17
McDonald, John H.	Nanaimo, B.C.	164	10- 7-17
McKinnon, John L.	Coleman	189	4- 9-17
McDonald, George	Drumheller	212	1- 6-18
MacKay, William, J. K.	Ontario	240	28- 1-19
McDicken, James	Coleman	251	26- 6-19
McFegan, Robert	Michel, B.C.	255	26- 6-19
MacPherson, John M.	Coalhurst	257	26- 6-19
McQueen, George	Nordegg	270	26- 6-19
McDade, John	Drumheller	290	8-11-19
McGowan, William	Lethbridge	317	26- 7-20
McKinnie, John	Drumheller	369	26- 7-20
McKenna, Harry	Pocahontas	376	17- 6-21
McAskill, Alexander	Drumheller	380	1- 8-21
McGaw, A. M. S.	Carmangay	398	1- 8-21

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
McGregor, Thomas B.	Lethbridge	417	1- 8-21
McNab, Murdoch	Coalhurst	419	1- 8-21
McLeod, Geordon J.	Mountain Park	422	1- 8-21
McGladne, Andrew	Lethbridge	423	1- 8-21
MacDonald, William	Drumheller	431	29- 8-21
McCubbrey, James	Drumheller	458	31- 7-22
McGuire, George	Dinant	466	31- 7-22
McGuire, James S.	Dinant	467	31- 7-22
MacLeod, Roderick	Coleman	470	31- 7-22
McEachern, Malcolm	Wayne	531	17- 8-23
McLennan, George A.	Drumheller	534	17- 8-23
MacNeil, James	Cadomin	537	17- 8-23
McLeod, Allan	Rosedale	543	1- 9-23
McLafferty, P.	Bellevue	551	1-11-23
McLeod, John R.	Bellevue	591	27- 5-25
McAllister, David	Mountain Park	613	1- 8-25
McKinnon, Alexander	Coleman	632	30- 7-26
McCulloch, Johnston	Coleman	642	30- 7-26
McDonald, Thomas	Rosedale	653	12- 8-27
McFegan, Alex.	Drumheller	661	10- 9-27
Macaulay, John C.	Coalhurst	678	19- 7-28
MacDonald, Clyde P.	Bellevue	685	1- 8-28
McDonald, James W.	Mountain Park	709	1- 5-29
MacDonald, Leslie	Bellevue	713	7- 6-29
MacLeod, Lloyd	Coalhurst	725	7- 6-29
MacAllister-Thompson, D. S. B.	Rosedale	735	17- 6-29
McNab, Duncan	Lethbridge	739	17- 6-29
McAhdrew, John, Jr.	Blairmore	769	4- 6-30
McDonald, William	Bellevue	777	10- 6-30
McCutcheon, Jas. A.	Midlandvale	803	18-10-30
McMurdo, Thomas	East Coulee	18	13- 7-31
McLeod, Arthur	Drumheller	50	22-10-31
McGowan, John	Drumheller	57	2- 6-32
McKinley, James	Huxley	72	25- 6-32
McColl, Alexander	Lethbridge	109	15- 6-33
McMillan, William	Rosebud	168	26- 7-34
Nelson, Horatio	Lundbreck	11	3- 1-07
Nanson, Thomas H.	Bellevue	15	3- 1-07
Nicol, George	Nacmine	27	21- 4-14
Nugent, Bernard	Camrose	133	30- 8-16
North, Walter	Blairmore	204	18- 4-18
Nicholson, Peter	Cadomin	472	31- 7-22
Niskanen, Herman	Canmore	671	19- 7-28
Nisbet, George	Beverly	759	4- 6-30
Negrello, Mike	Coalhurst	7	13- 7-31
Naegeli, Otto	Midlandvale	54	26- 2-32
Novak, Mike	Milk River	56	4- 5-32
Norman, John	Beverly	136	31-10-33
Oiphant, J. H.	Carbon	26	17- 5-07
Oiphant, John	Medicine Hat	79	16- 7-09
O'Donnell, Thomas	Rosedale	139	17- 3-11
Ottewell, William J.	Clover Bar	245	31- 7-13
Oakes, Robert	Blairmore	104	10- 6-16
Oakley, John	Edmonton	115	10- 7-16
Oliver, B.	Magrath	342	26- 7-20
Owen, Thomas	Michel, B.C.	442	10- 3-22
Ostler, James	Taber	445	22- 5-22
Oldham, Albert	Luscar	579	11- 8-24
Oliver, Edward	Taber	584	14-11-24
Ottewell, Cedric P.	Clover Bar	620	25-11-25
O'Neill, Michael	Nordegg	748	9- 8-29

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Ordge, John	Donalda	80	25- 7-32
Owens, John	Midlandvale	177	4- 9-34
Oswald, Joseph	Drumheller	178	10- 9-34
Prentice, John	Virginia, U.S.A.	67	1- 2-09
Powell, Albert E.	Lundbreck	71	4- 2-09
Picton, William	Frank	78	8- 7-09
Pounder, George	Pincher Creek	84	22- 9-09
Parker, Levi	Cardiff	100	18- 1-10
Pickering, Gave	Taber	104	25- 2-10
Parry, Thomas	Hillcrest	119	21- 6-10
Park, Stewart G.	Lethbridge	121	25- 6-10
Patterson, John	Hillcrest	126	17-12-10
Picton, Daniel	Aerial	178	23-11-11
Park, William	Lethbridge	194	13- 7-12
Parkes, John T.	Lethbridge	236	31- 7-13
Park, Alex. C.	Lethbridge	25	8- 4-14
Porteous, Alexander	Hillcrest	36	26- 5-14
Purdy, Stearns J.	Lundbreck	37	28- 5-14
Parker, Joseph	Drumheller	47	25-11-14
Puckett, Owen L.	Robb	53	27-11-14
Price, Alfred	Montana, U.S.A.	103	4- 1-16
Pitt, Arthur J.	Coleman	108	10- 7-16
Phillips, David	Commerce	110	10- 7-16
Price, John	Mountain Park	116	10- 7-16
Pratt, Philip	Lovettville	117	10- 7-16
Paterson, Patrick	Evansburg	139	3-10-16
Padgett, Albert	Bellevue	177	17- 7-17
Poole, Alexander	Drumheller	241	16- 5-19
Prescott, William	Hillcrest	249	26- 6-19
Painter, J. A.	Mountain Park	361	26- 7-20
Parkinson, Harry	Coleman	465	31- 7-22
Pearson, Francis	Hillcrest	468	31- 7-22
Phipps, Mathew J.	Mountain Park	494	1- 9-22
Price, John	Mountain Park	497	1-11-22
Patterson, William	Blairmore	515	17- 8-23
Parry, Robert	Coleman	546	15- 9-23
Poxon, Wilfred	Carbon	555	15-11-23
Peters, Frederick C.	Wayne	582	25- 9-24
Price, Richard	Hillcrest	590	21- 4-25
Pickard, Joseph	Edmonton	592	20- 7-25
Perry, James E.	Beynon	612	25- 7-25
Powell, John E.	Newcastle Mine P.O.	700	22- 8-28
Piper, John J.	Canmore	716	7- 6-29
Paton, George	Delburne	727	7- 6-29
Phillips, W. J.	Saunders	733	17- 6-29
Page, Joseph	Drumheller	741	19- 6-29
Peters, Wm. E.	Blairmore	762	4- 6-30
Park, Angus	Edmonton	773	4- 6-30
Patterson, S. E.	Blairmore	778	10- 6-30
Pascoe, Thomas	Mountain Park	796	14- 7-30
Potter, Harry	Drumheller	797	8- 8-30
Price, Stanley R.	Blairmore	9	13- 7-31
Pettigrew, Robert	Coleman	20	13- 7-31
Phillips, W. T.	Castor	99	10- 6-33
Popovich, Mike	Champion	112	3- 7-33
Pike, Sidney G.	Drumheller	119	24- 7-33
Phillips, Alfred J.	Coleman	146	5- 6-34
Poholka, Steve	Edmonton	149	9- 6-34
Perini, John	Lethbridge	153	9- 6-34
Parker, Jack	Cardiff	165	27-6- 34
Potter, I. N.	Nacmine	167	26- 7-34

## THE MINES BRANCH

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Perini, Angelo	Granlea	194	10- 6-35
Price, Wm. T.	Edmonton	195	14- 6-35
Quigley, Daniel H.	Drumheller	157	14- 7-11
Queen, Andrew M.	Lethbridge	228	26-12-12
Quin, James	East Coulee	66	25- 6-32
Rice, Awrey	Edmonton	48	18- 4-05
Rawson, Thomas S.	Frank	1	20-12-05
Rose, Walter	Lundbreck	54	25- 8-08
Roberts, William	Strathcona	95	3-12-09
Robinson, John H.	Hillcrest	106	31- 5-10
Rowbotham, William H.	B.C.	116	6- 6-10
Roberts, E.	Rosedale	118	20- 6-10
Richardson, Alfred	Lethbridge	125	17-12-10
Richards, George	Coleman	137	31-12-10
Roberts, John	Cadomin	140	6- 4-11
Reid, James	Canmore	158	24- 7-11
Richards, Evan	Edmonton	162	17-11-11
Richards, Samuel	Bellevue	175	17-11-11
Rawlinson, Rowland	Cadomin	182	28-11-11
Rayner, Frederick	Frank	188	8-12-11
Radford, James	Bellevue	200	22- 7-12
Rae, John	Coleman	242	31- 7-13
Rankin, William	Hosmer, B.C.	4	28-11-13
Rebar, Mike	Hardievile	19	18- 3-14
Rees, Daniel	Bellevue	56	27-11-14
Russell, Arthur	Standard	59	5-12-14
Russell, John	Ardley	67	20- 1-15
Rees, Gomer	Beverly	96	12-10-15
Robinson, Edward	Chilliwack, B.C.	101	28-10-15
Roberts, David O.	Cardiff	106	7- 7-16
Robert, David C.	Coleman	113	10- 7-16
Randall, David	Coleman	191	10-10-17
Reid, Edward	Drumheller	206	1- 6-18
Redpath, James	Wayne	208	1- 6-18
Reid, Samuel	Brule	211	1- 6-18
Rollingson, John	Lethbridge	280	26- 6-19
Ruscoe, Richard	Halkirk	282	26- 6-19
Roberts, Evan	Wayne	318	26- 7-20
Royle, Edward	Blairmore	323	26- 7-20
Robertson, W. H.	Coalhurst	333	26- 7-20
Rappel, Thomas	Canmore	337	26- 7-20
Rappel, A. J.	Calgary	355	26- 7-20
Richards, John C.	Coleman	386	1- 8-21
Richards, Thomas	Wayne	392	1- 8-21
Rees, William H.	Lethbridge	435	29- 8-21
Rowley, Arthur	Calgary	455	31- 7-22
Ridgeway, Leonard J.	Coalhurst	457	31- 7-22
Roberts, Robert	Wayne	464	31- 7-22
Richards, Harold	Hillcrest	484	1- 8-22
Roberts, Lemuel	Wayne	488	1- 8-22
Richards, M. C. Russell	Blairmore	509	17- 5-23
Rutherford, Leslie D.	Saunders West	565	6- 5-24
Rutherford, Wilson	Drumheller	583	30-10-24
Roome, Richard	Mountain Park	588	24- 1-25
Rhodes, William B.	Lundbreck	625	26- 7-26
Robertson, Alexander	Lethbridge	633	30- 7-26
Ramage, John	Coalhurst	648	12- 8-27
Ray, William J.	Hillcrest	669	22- 4-28
Rees, Ernest	Hillcrest	686	1- 8-28
Rochester, John J.	Carbon	689	1- 8-28
Rolfe, Emrys	British Columbia	691	16- 8-28

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Russell, William C.	Drumheller	705	24-11-28
Rear, Albert E.	Corbin, B.C.	728	7- 6-29
Reid, Wm. P.	Lethbridge	732	17- 6-29
Radford, J. H.	Heisler	738	17- 6-29
Rogers, Benjamin	Canmore	753	5-11-29
Reed, John C.	Edmonton	779	10- 6-30
Raisbeck, A. B.	East Coulee	785	10- 6-30
Heynolds, Horace C.	Canmore	11	13- 7-31
Roberts, Simon	Cadomin	21	13- 7-31
Radocy, Isaac C.	Aerial	23	13- 7-31
Ratcliffe, Thomas	Drumheller	24	13- 7-31
Robertson, Duncan	Drumheller	47	26- 7-31
Russell, Robert	Alix	69	25- 6-32
Rees, Sanford	Mountain Park	81	28- 7-32
Rhodes, George	Champion	96	10- 6-33
Rees, Edward D.	Bellevue	105	15- 6-33
Raeder, William	Elkwater	110	15- 6-33
Ross, A. W.	Delia	124	29- 7-33
Rozzolini, Albert	Raymond	126	29- 7-33
Radford, James T.	Bellevue	132	15- 9-33
Richards, Lorenzo	Coleman	142	5- 6-34
Riordan, Leo	Drumheller	173	13- 8-34
Ruffee, Harry G.	Nacmine	204	9- 7-35
Richardson, E. H.	East Coulee	205	17- 7-35
Raisbeck, Robt. M.	Drumheller	213	12- 8-35
Raisbeck, James	East Coulee	215	29- 8-35
Scott, Robert	Lethbridge	6	19-12-98
Sedlock, Joseph	Canmore	22	25- 6-03
Smith, Robert	Canmore	32	5-12-04
Smith, Hugh	Bellevue	35	5-12-04
Stott, John	Lethbridge	38	23-12-04
Spencer, W. J.	Bankhead	51	6- 7-05
Salmond, James M.	Bankhead	6	20-12-05
Sparrow, Edwin	Tawatinaw	2	20-12-05
Smith, Ralph	Canmore	3	30- 5-06
Singleton, Robert	Lundbreck	47	29- 5-08
Schmidt, O. P.	Edmonton	44	1- 2-08
Sihvon, William	East Coulee	27	17- 5-07
Scott, Andrew N.	Luscar	28	23- 5-07
Smith, A. J. P.	Calgary	103	21- 2-10
Shaw, Thomas J.	Hinton	113	3- 6-10
Scott, Alexander	Pocahontas	185	28-11-11
Sheratt, Owen, Sr.	Coleman	199	13- 7-12
Smith, Thomas	Hillcrest	216	1-11-12
Stobbs, Joseph	Diamond City	217	5-11-12
Shaw, Eli	Canmore	229	30- 4-13
Stephenson, Thomas	Bellevue	230	7- 4-13
Stott, John	Lethbridge (duplicate)	231	7- 4-13
Stephenson, Joseph	Commerce	232	30- 4-13
Sandino, Joseph	Drumheller	238	31- 7-13
Steele, John W.	Lethbridge	17	16- 3-14
Severns, Matthew	Edmonton	42	8- 9-14
Spencer, Murray, A.	Brule	43	18- 9-14
Snarey, George	Beynon	62	5-12-14
Sinclair, James	Drumheller	68	22- 1-15
Smith, John	Blairmore	94	1- 9-15
Smith, T. Edwin	Montana, U.S.A.	130	26- 7-16
Strickland, William	Evansburg	145	5- 7-17
Stratton, James M.	Taber	181	25- 7-17
Shaw, Tom	Bellevue	202	18- 4-18
Sorbo, Christopher	Blairmore	203	18- 4-18

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Steen, Herman	Hanna	277	26- 6-19
Stewart, James	Lethbridge	305	26- 7-20
Smith, Thomas	Coleman	307	26- 7-20
Saunt, James	Drumheller	309	26- 7-20
Steele, Francis M.	Calgary	319	26- 7-20
Stratton, A. T.	Medicine Hat	351	26- 7-20
Serrie, John	Taber	353	26- 7-20
Scott, Robert	Nordegg	399	1- 8-21
Shaw, William G.	Kimberley	409	1- 8-21
Shaw, Joseph H.	Kimberley	416	1- 8-21
Shaw, John H.	Nordegg	426	1- 8-21
Stene, David	Edmonton	430	29- 8-21
Strachan, John	Fernie, B.C.	437	29- 8-21
Sneddon, Thomas	Taber	444	3- 4-22
Shepperd, Geo. E.	Wayne	477	1- 8-22
Speaker, Pete A.	Calgary	489	1- 9-22
Smith, Andrew A.	Drumheller	522	17- 8-23
Shevels, John	Bellevue	523	17- 8-23
Smith, Sidney L.	Drumheller	552	1-11-23
Simmons, Efner W.	Forestburg	611	25- 7-25
Stanley, Henry	Nacmine	615	1- 8-25
Severns, Matthew	Valier, Mont. (duplicate)	621	11- 5-26
Steward, Frederick G.	Drumheller	624	26- 7-26
Shearer, Peter	Cadomin	640	22- 9-26
Smith, Terence	Edmonton	646	1- 8-27
Stewart, George W.	Nordegg	667	16- 1-28
Shandruk, Henry K.	Edmonton	695	16- 8-28
Steven, Robert	Banff	701	22- 8-28
Smith, Peter	Coleman	718	7- 6-29
Scott, J. D.	Rosedale	722	7- 6-29
Snow, Percy E.	Lethbridge	729	7- 6-29
Strang, David	Mountain Park	746	23- 7-29
Shearer, J. C.	Rosedale	749	9- 8-29
Sherwood, Henry R.	Canmore	751	8- 8-29
Stevenson, Robert	Drumheller	757	25- 2-30
Smillie, Walter	Evansburg	772	4- 6-30
Sutherland, S. R.	Bellevue	782	10- 6-30
Sinoski, Mike	Edmonton	791	14- 6-30
Stewart, R. E.	Shaughnessy	802	18-10-30
Stene, Alexander	Cadomin	10	13- 7-31
Stanko, Martin	Drumheller	13	13- 7-31
Smith, John A.	Cadomin	31	13- 7-31
Simons, B. C.	Bellevue	36	26- 7-31
Saunders, Herbert A.	Cardiff	76	2- 7-32
Sward, Henry	Rose Lynn	104	10- 6-33
Schlender, Otto	Trochu	118	6- 7-33
Smillie, John	Drinnan	152	9- 6-34
Sprela, Martin	Willow Creek	163	19- 6-34
Schneider, Nick	Dimsdale	197	28- 6-35
Streich, Paul	Ardley	202	8- 7-35
Simpson, Frank	Nacmine	206	22- 7-35
Smith, James	Wayne	211	10- 8-35
Stevenson, Morris	Drumheller	218	25- 9-35
Taylor, William	Lethbridge	10	16- 4-01
Turner, Samuel	Frank	21	25- 6-03
Thompson, Thomas	Lundbreck	16	3- 1-07
Turner, Samuel	Frank (duplicate)	22	8- 5-07
Tonge, Thomas	Spokane, Wash.	5	30- 5-06
Thomas, John J.	Frank	74	21- 4-09
Thompson, Thomas	Coleman	93	29-11-09
Thomson, Thomas W.	Bankhead	161	17-11-11

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Thompson, Joseph	Coleman	165	17-11-11
Thomas, Isaac	Coleman	204	27- 7-12
Tully, Thomas	Fernie, B.C.	215	1-11-12
Turner, William	Hillcrest	244	31- 7-13
Thomas, John B.	Edmonton	46	19-11-14
Thomson, Roger A.	Lovettville	66	22-12-14
Thomson, David	Lovettville	82	19- 8-15
Tennant, Robert	Drumheller	84	19- 8-15
Turner, Leonard	Nordegg	125	19- 7-16
Tennant, John	Lethbridge	165	10- 7-17
Terris, Andrew	Nordegg	170	17- 7-17
Tennant, William G.	Lethbridge	228	8- 6-18
Tisdale, James R.	Winnipeg	231	8- 6-18
Thomason, Charles	Blairmore	234	14- 6-18
Talbot, William	Drumheller	235	22- 6-18
Thomson, James	Beverly	425	1- 8-21
Thomson, George H.	Lethbridge	433	29- 8-21
Thompson, Andrew	Aerial	267	26- 6-19
Thackray, Fred	Lethbridge	281	26- 6-19
Travis, Joseph	Bankhead	303	26- 7-20
Thornhill, John E.	Coalhurst	482	1- 8-22
Tannucci, Joseph	Brule	485	1- 8-22
Tilley, John C.	Bellevue	511	30- 6-23
Taylor, William	Midlandvale	514	17- 8-23
Turner, William H.	Blairmore	525	17- 8-23
Tucker, John M.	Entwistle	528	17- 8-23
Talbot, Walter J.	Clover Bar	533	17- 8-23
Trentham, Harry	Ghost Pine	536	17- 8-23
Teasdale, J. R. W.	Drumheller	540	1- 9-23
Tyldsley, Albert	Beverly	545	1- 9-23
Thomson, Walter	Clover Bar	628	26- 7-26
Taylor, John	Drumheller	649	1- 8-27
Tompkins, David F. R.	Foothills	659	1- 9-27
Thomson, William	Edmonton	683	1- 8-28
Thomas, Edward J.	Drumheller	706	24-11-28
Thomson, John	Edmonton	758	4- 6-30
Thirlwell, Wm.	Robb	4	20- 2-31
Tyler, Edward	Lethbridge	5	13- 7-31
Thomas, William	Luscar	38	26- 7-31
Thomas, David S.	Midlandvale	55	21- 3-32
Tyler, Harold	Lethbridge	70	25- 6-32
Taylor, Robert	Calgary	85	24- 8-32
Tonge, Reginald	Blairmore	90	30- 9-32
Thomson, Alexander	Edmonton	141	5- 6-34
Taylor, Edward	Groton	154	9- 6-34
Tiffin, Richard	Coleman	188	10- 6-35
Utley, Frederick W.	Bellevue	250	26- 6-19
Unsworth, Robert J.	Scapa	704	24-11-28
Urwin, Henry	Canmore	123	29- 7-33
Vola, Serafino	Canmore	63	1- 2-09
Vaselenak, Michael P.	Lethbridge	159	10- 7-17
Vickers, William A.	Taber	443	10- 3-22
Villard, Henry	Wayne	450	31- 7-22
Vannucci, Luigi	Brule	629	26- 7-26
Vining, Samuel	Luscar	635	30- 7-26
Vivyurka, John	Mercoal	44	26- 7-31
Watkins, W. E.	Champion	1	14-11-98
Wilson, John	Canmore	2	15-11-98
Watkins, John W.	Canmore	3	15-11-98
Waite, Archibald	Taber	11	6- 7-03
White, Harry J.	Coalhurst	677	19- 7-28

## THE MINES BRANCH

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Woollney, Karl	Bellevue	681	1- 8-28
Wiltse, Donald H.	Edmonton	688	1- 8-28
Whitehead, J. W.	England	712	7- 6-29
Williams, L. A.	Edmonton	768	4- 6-30
Womersley, E.	Blairmore	783	10- 6-30
Williams, H. A.	Mountain Park	792	3- 7-30
White, Michael	Drumheller	806	29-10-30
Williams, Walter	Alix	29	13- 7-31
Walsh, James C.	Bellevue	34	13- 7-31
Williams, D. J.	Mountain Park	35	13- 7-31
Watkin, Geo. E.	Bittern Lake	59	2- 6-32
Walton, Geo. A.	Forestburg	67	25- 6-32
Watson, David	Leduc	77	11- 7-32
White, George	Nordegg	83	24- 8-32
Williams, Wm.	Barnwell	87	23- 9-32
Woodward, Clarence	Bellevue	94	16- 2-33
Wilkinson, James	Bragg Creek	116	3- 7-33
Watters, David G.	Drumheller	120	29- 7-33
Wiltse, Floyd N.	Forestburg	125	29- 7-33
Wilson, Charles	Lethbridge	130	8- 9-33
Webb, James F.	Canmore	42	8- 4-05
Wilson, William G.	Washington, U.S.A.	3	20-12-05
Watters, John	Burmis	5	20-12-05
Welsh, W. R.	Burmis	9	3- 1-07
Wrigley, Walter	Cadomin	37	10- 1-08
Willmott, William	Canmore	38	10- 1-08
Watters, A. G.	Banff	49	29- 5-08
Weston, Thomas	Edmonton	73	7- 4-09
White, Harry	Hillcrest	90	29-11-09
Williams, Walter E.	Edmonton	213	31-10-12
Williams, John J.	Edmonton	223	25-11-12
Whitefield, Isaac	Coalhurst	15	10- 3-14
Williams, John T.	Bellevue	33	23- 5-14
Wesnedge, William	Nanaimo, B.C.	58	5-12-14
Wardrop, James	Canmore	72	16- 2-15
Worthington, Thomas	Lethbridge	92	1- 9-15
Wallwork, William	Taber	118	10- 7-16
Watkins, James M.	Taber	128	26- 7-16
Williams, Albert	Edmonton	138	25- 9-16
Wilcox, William J.	Edson	140	11-11-16
Willets, Frederick	Lethbridge	162	10- 7-17
Wilson, Alexander	Midlandvale	169	17- 7-17
Wolstoncroft, Robert	Commerce	175	17- 7-17
Watson, Adam G.	Calgary	215	1- 6-18
Wheatcroft, Fred, Jr.	Drumheller	225	8- 6-18
White, John M.	Lethbridge	233	14- 6-18
Warren, Michael	Edmonton	304	26- 7-20
Womersley, Alfred	Redcliff	316	26- 7-20
Wright, S. P. T.	Coalhurst	336	26- 7-20
Walker, H. M.	Bellevue	368	26- 7-20
Watson, James	Edmonton	378	1- 8-21
Woolett, Charles	Edmonton	379	1- 8-21
Walker, Charles C.	Wayne	385	1- 8-21
White, William	Hillcrest	388	1- 8-21
White, Alfred	Hillcrest	389	1- 8-21
Wheatcroft, George L.	Wayne	394	1- 8-21
Wilkie, John	Sheerness	405	1- 8-21
White, Robert	Nordegg	411	1- 8-21
White, William	Coleman	427	1- 8-21
Whyte, William	Lethbridge	446	16- 6-22
Williamson, John B.	Cadomin	473	31- 7-22

## List of Names of Holders of Third Class Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Wood, Matthew	Bellevue	508	17- 5-23
Wylie, James	Commerce	520	17- 8-23
Weaver, William	Natal, B.C.	530	17- 8-23
Whitelaw, William	Blairmore	532	17- 8-23
Whelan, Charles J.	Newcastle P.O.	556	4-12-23
Williamson, David S.	Camrose	558	18-12-23
Waller, Herbert	Natal, B.C.	562	28-12-23
Willetts, Norman	Hillcrest	571	24- 7-24
Williams, Hugh	Nordegg	577	1- 8-24
Wilton-Clark, Harry	Bellevue	594	20- 7-25
Wheatley, Frank M.	Banff	599	20- 7-25
Wiswell, Byron	Blairmore	637	6- 8-26
Wilson, Samuel	Drumheller	639	20- 8-26
Whittaker, William C.	Coal Valley	643	25- 5-27
Westcott, Henry M.	Wayne	651	1- 8-27
Warneboldt, Julius	Chilliwack, B.C.	658	1- 9-27
Withington, Harry E.	Newcastle, P.O.	664	14-10-27
Williams, John	Barnwell	161	16- 6-34
White, John	Nordegg	210	10- 8-35
Young, Thomas	Taber	57	11- 1-09
Young, Samuel	Cardiff	101	18- 1-10
Yates, James	Coleman	504	15- 2-23
Young, David B.	Picture Butte	581	25- 9-24
Young, Robert	Newcastle P.O.	603	25- 7-25
Young, Robert	Newcastle P.O. (duplicate)	788	14- 6-30
Young, Albert	Foreman	159	16- 6-34
Young, John	Drumheller	214	29- 8-35
Young, Warren	Wayne	216	30- 8-35
Zak, Albert	Commerce	324	26- 7-20

## List of Names of Holders of Mine Surveyors' Certificates Issued by the Government of the Province of Alberta to December 31, 1935:

Aspinall, Francis	Vancouver	1	7- 8-15
Adam, William A.	Lethbridge	40	21- 8-15
Ashburner, Edward	Medicine Hat	79	1- 9-15
Allen, Peter	Wayne	109	23-11-15
Atkins, Cecil B.	Edmonton	162	17- 7-23
Brown, John	Calgary	30	20- 8-15
Billington, Edward E.	England	42	23- 8-15
Bilteryst, Jean	Calgary	73	1- 9-15
Baxter, Andrew W.	Calgary	119	23-11-15
Brown, Hugh R.	Carbon	125	10- 7-16
Brown, Thomas	Edmonton	133	17-11-17
Burgess, Wilfred D.	Trail, B.C.	169	18-12-23
Coulthard, Robert W.	Toronto, Ont.	20	7- 8-15
Church, James A. H.	Nova Scotia	21	7- 8-15
Charlesworth, Lionel C.	Edmonton	22	7- 8-15
Charbonnier, Jules	Blairmore	72	1- 9-15
Cautley, Reginald H.	Edmonton	81	1- 9-15
Cook, Arnold B.	Calgary	113	23-11-15
Cumming, Charles H.	Edmonton	135	3- 7-18
Crowder, Harry	Drumheller	152	26- 7-20
Congdon, Milton, H.	Blairmore	157	1- 8-21
Clement, Adolph L.	Cadomin	158	1- 8-21
Cameron, Alan E.	Edmonton	154	9- 3-21
Carthew, John T.	England	164	17- 7-23
Chavignaud, Louis G.	Hinton	165	17- 7-23

## THE MINES BRANCH

## List of Names of Holders of Mine Surveyors' Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Drinnan, Robert G.	Edmonton	8	7- 8-15
DeHart, Joseph B.	Lethbridge	45	23- 8-15
Drummond, Leonard E.	Edmonton	51	23- 8-15
Dunn, Alex. C.	Edmonton	55	23- 8-15
Duggan, William H.	Foothills	84	1- 9-15
Dennis, Frederick W.	England	100	9- 9-15
Davis, Alfred	Lethbridge	114	23-11-15
Daniell, G. W. B.	Nanaimo, B.C.	126	10- 7-16
Donaldson, C. S.	Lethbridge	151	26- 7-20
Dewis, Clifford S.	Canmore	163	1- 8-22
Drinnan, R. G., Jr.	Edmonton	181	8- 8-30
Elliott, Edward P.	Pocahontas	33	20- 8-15
Ellis, William	Three Hills	94	7- 9-15
Elliott, G. R.	Calgary	150	26- 7-20
Fraser, Norman	Edmonton	15	7- 8-15
Foot, Robert G.	Coleman	54	23- 8-15
Finnie, Oswald S.	Ottawa	57	23- 8-15
Flint, William G.	Edmonton	76	1- 9-15
Fortner, Edward	Tennessee, U.S.A.	83	1- 9-15
Foster, William	Robb	167	1- 9-23
French, Merritt H.	Calgary	3	22- 8-33
Green, Raoul	Calgary	70	1- 9-15
Gallon, Emile	France	89	7- 9-15
Gray, David	Washington, U.S.A.	110	23-11-15
Graham, A. E.	Coleman	168	15- 9-23
Gardner, H. H.	Coleman	180	23- 7-29
Hutchison, David	Hillcrest	29	20- 8-15
Hardie, W. D. L.	Lethbridge	50	23- 8-15
Hargreaves, James	Victoria, B.C.	52	23- 8-15
Hamilton, James F.	Lethbridge	56	23- 8-15
Henderson, Thomas R.	Scotland	67	1- 9-15
Hutchison, William	Hillcrest	68	1- 9-15
Hamilton, Robert	Three Hills	74	1- 9-15
Horne, Thomas	Edson	82	1- 9-15
Hyde, Marcus L.	California	95	7- 9-15
Hamilton, Allan	Drumheller	131	7- 7-17
Hall, W. E. G.	Blairmore	143	2- 7-19
Hetherington, W. B.	B.C.	144	9- 7-19
Higgins, Alexander	Calgary	145	15- 7-19
Hollies, R. T.	Calgary	153	9- 3-21
Hunter, A. B.	Drumheller	156	1- 8-21
Howells, N.	Wayne	160	3-11-21
Hnatyshyn, Andrew C.	Luscar	171	24- 7-24
Hughes, Edward	Mayerthorpe	174	25- 9-24
Jones, Samuel A.	Nanaimo, B.C.	26	19- 8-15
Jones, David	Edmonton	32	20- 8-15
Kellock, George	Coleman	105	23-11-15
Knight, Sidney	Ottawa	122	3-12-15
Kidd, G. L. S.	Drumheller	132	10-10-17
Kelly, O. G.	Carbondale	2	29- 7-33
Livingstone, Robert	Lethbridge	9	7- 8-15
Lee, Robert J.	Estevan, Sask.	64	1- 9-15
Lavoie, G. A.	United States	44	23- 8-15
Lyster, H. M.	Toronto, Ont.	77	1- 9-15
Leblanc, Emile	Wayne	107	23-11-15
Lindoe, Luke	Coleman	136	3- 7-18
Lewis, John W.	Mountain Park	159	10-10-21
Morris, R. H.	Virginia, U.S.A.	17	7- 8-15
Milne, M. C.	Virginia, U.S.A.	78	1- 9-15
Maxwell, W.	Westville, N.S.	93	7- 9-15
Millar, A. A.	Edmonton	97	9- 9-15

## List of Names of Holders of Mine Surveyors' Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Meldrum, Wm.	Lethbridge	98	9- 9-15
Moodie, K. S.	Vancouver	101	9- 9-15
Marshall, J. W.	Evansburg	106	23-11-15
Morgan, O.	Saunders	148	26- 7-20
Moore, H. D.	Edmonton	149	26- 7-20
Millen, John	Trail	172	24- 7-24
Melnyk, N.	Cadomin	182	10- 9-30
Morgan, T. E.	Hillcrest	183	29-10-30
McNeill, W. F.	Calgary	6	7- 8-15
McLeod, John A.	Cadomin	35	20- 8-15
McLenhan, J. A.	Coalspur	37	21- 8-15
Macaulay, A. G.	Midlandvale	41	23- 8-15
Macaulay, D. A.	Drumheller	60	31- 8-15
McCulloch, James	Vancouver, B.C.	104	23-11-15
McDonald, Duncan	Drumheller	118	23-11-15
McMullen, Arthur	Nordegg	1	26- 7-31
O'Donnell, Thomas	Rosedale	102	9- 9-15
Pitcher, Norman C.	Edmonton	10	7- 8-15
Pickles, Wm.	Edmonton	24	18- 8-15
Puckett, O. L.	Robb	31	20- 8-15
Ponton, G. M.	Calgary	63	1- 9-15
Piard, Marc	Blairmore	88	7- 9-15
Powell, A. E.	Lundbreck	108	23-11-15
Pascoe, Thomas	Mountain Park	178	1- 8-27
Pratt, John	Coleman	4	22- 7-35
Quigley, Daniel H.	Coalhurst	142	2- 7-19
Reid, J. C.	Oklahoma, U.S.A.	12	7- 8-15
Richards, J. A.	Edmonton	13	7- 8-15
Robertson, J.	Drumheller	61	1- 9-15
Reid, A. H.	Oklahoma, U.S.A.	62	1- 9-15
Robert, L. P.	Blairmore	65	1- 9-15
Raisbeck, Luke	Drumheller	103	23-11-15
Ritchie, D. W.	Edmonton	134	28- 6-18
Robinson, W. E.	Coleman	139	11- 7-18
Riddell, J. G.	Coleman	147	26- 7-21
Richards, M. C. Russell	Blairmore	166	15- 9-23
Stockett, Lewis	Vancouver	2	7- 8-15
Stirling, John T.	Scotland	19	7- 8-15
Scott, A. N.	Luscar	36	20- 8-15
Shanks, John	Nordegg	58	28- 8-15
Stevenson, Wm.	Hillcrest	59	31- 8-15
Stevens, Leonard C.	Edmonton	66	1- 9-15
Sutherland, C. C.	Seattle, Wash.	86	3- 9-15
Stevenson, J.	Scotland	116	23-11-15
Sherwin, P. M.	Frank	127	22- 1-17
Smith, T. E.	Montana, U.S.A.	137	3- 7-18
Steele, F. M.	Calgary	146	23- 3-20
Sparks, H. E.	Ontario	155	1- 8-21
Shanks, David	Nordegg	161	3- 4-22
Shaw, Norman	Edmonton	170	16- 7-24
Stewart, R. T.	Edmonton	173	11- 8-24
Thorne, B. L.	Calgary	18	7- 8-15
Utley, Frederick W.	Bellevue	177	26- 7-26
Whiteside, O. E. S.	Coleman	27	19- 8-15
Williams, A. E.	Saunders	38	21- 8-15
Williams, T. B.	Calgary	48	23- 8-15
Watson, R. H.	Edmonton	53	23- 8-15
Watters, John	Banff	87	3- 9-15
Wilson, W. R.	Fernie, B.C.	90	7- 9-15
Wheeler, James S.	Calgary	112	23-11-15
Wright, Edwin	Fernie, B.C.	138	11- 7-18

## List of Names of Holders of Mine Surveyors' Certificates—Continued:

Name	Address	Cert. No.	Date of Issue
Wilton-Clark, Harry .....	Coleman .....	175	20- 7-25
Wilson, William .....	Drumheller .....	176	14- 8-25
Whittaker, William C. ....	Coal Valley .....	179	6- 8-27

Certificates issued previous to September 1, 1905, were issued under the provisions of The Coal-mines Regulation Ordinance of the North-West Territories.

## INTERCHANGE FIRST CLASS

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